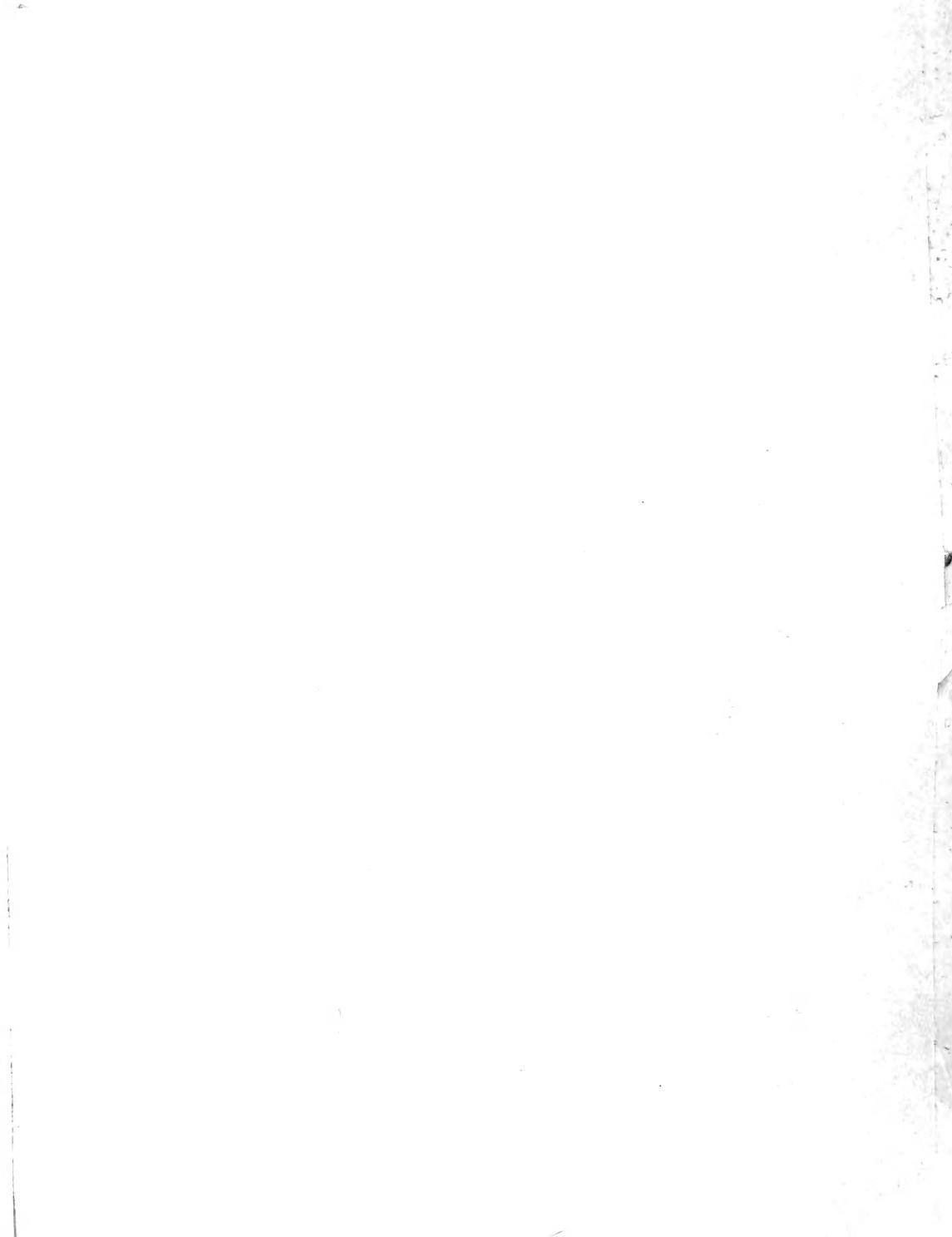


## **Historic, Archive Document**

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©1942

Filene's, Phila., Pa.

TREASURE  
TROVE

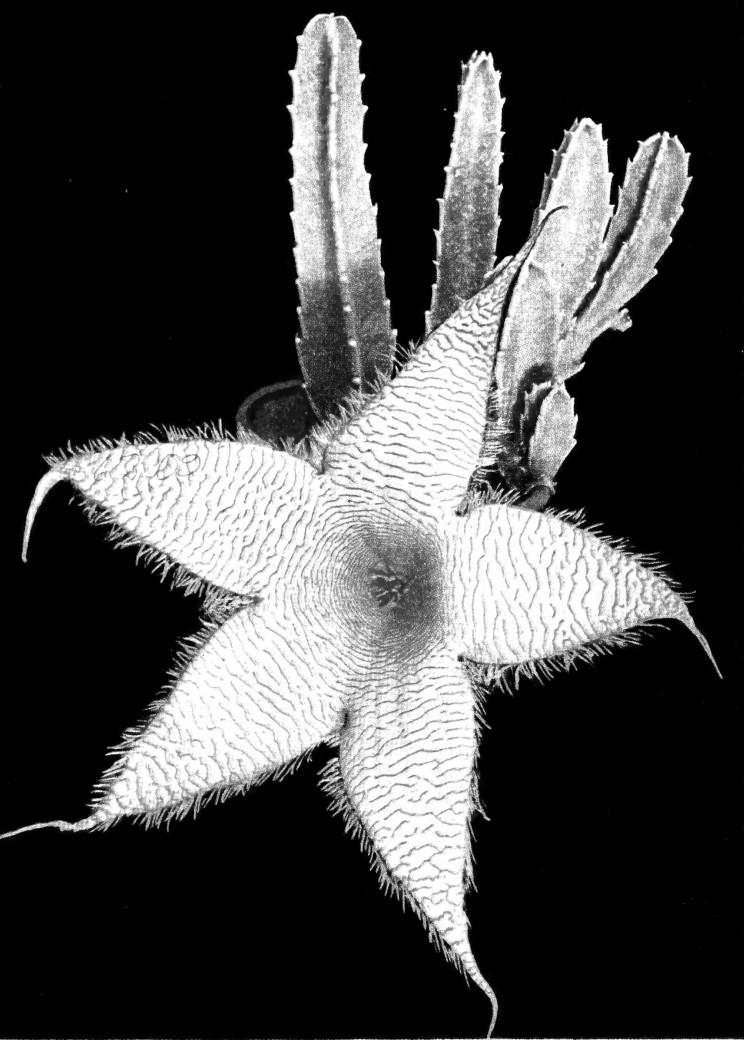
from

CACTUS LAND



PRICE 10 CENTS

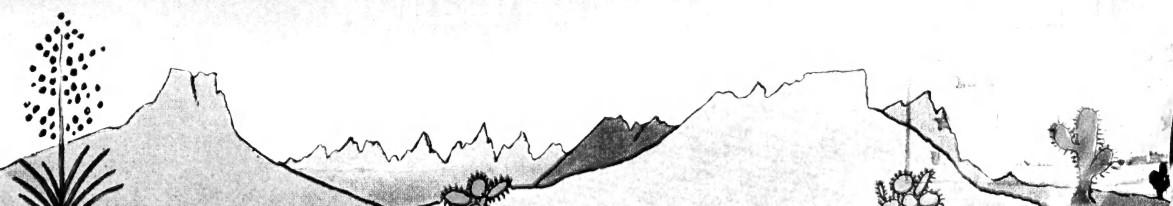
This charge is to help defray unusual costs attached to catalog making at this time. A big value for Cactus Enthusiasts.



GIANT STAR FLOWER [one half natural size]

Fine Plants 35 and 50c.

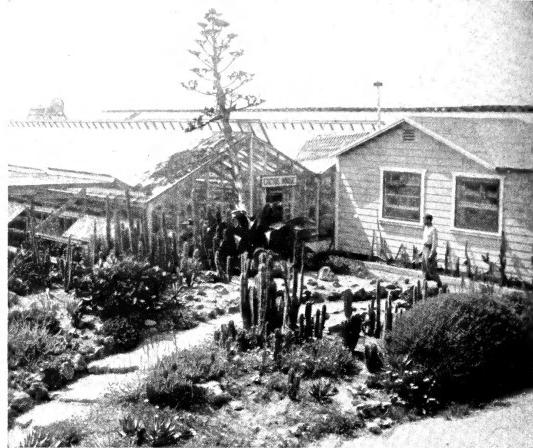
JOHNSON CACTUS GARDENS



# Latest News from Cactus Land

## LARGEST SELECTION

Our selection is one of the largest in the world with plants from all regions where Cacti or Succulents are found growing wild. There are hundreds of thousands of seedlings filling our greenhouses and we are always adding to our collections. Collectors are continually searching out for us new, rare and interesting things that we will offer in future catalogs. Several new and interesting genera have recently been discovered and we hope to be able to offer them soon.



## HIGHEST QUALITY

Only by direct shipment from the grower can you be assured of fresh, healthy rooted plants. Our plants are dug daily as required by our packing crews. Why waste time and money on less fresh plants when you can be assured of clean, vigorous stock from the world's largest grower? We invite comparison of our plants and products.

## LOWEST PRICES

You will note that our prices have not advanced though labor and supplies have increased more than 20%. By economies effected through improved techniques — our complete establishment has been overhauled—we hope to keep operating expenses at a minimum.

Our eligible men have enlisted in our armed forces, my son in the Air Corps, my foreman in the Artillery, and though it is too much to wish, we hope our plant or experience can be put to some concrete use.

## AERIAL VIEW OF OUR NURSERIES

A partial view of our 10 acres of greenhouses, cold frames and Water Lily Pools. In the foreground are our Cacti, in the background the pools in which our other great specialty, Water Lilies, are grown.



## THE CREDO OF A GARDENER

We believe the growing offensive power of our armament is the overwhelming, over-riding reason for our daily existence. Every wish, every need must be subordinate to our will that democracy and ourselves shall be victorious.

Our way of life must survive; but for the millions who in the nature of things cannot be employed in direct war work, little can be done. We must turn our living into the changing pattern with as little upsetting commotion as possible. In the trying times ahead we will need relaxation from our mounting responsibilities, and many new friends will turn to that oldest and most satisfying of human occupations—the tending of growing things that require only sunlight and patience as vital supplies.

## WHEN YOU VISIT LOS ANGELES STOP AT HYNES

Our friends are always welcome at our Nurseries and we hope that you will visit our growing grounds and see for yourself the many interesting plants in our collections. Tens of thousands of specimens, from tiny, fat seedlings to large flowering trees.

## OUR GUARANTEE

WE GUARANTEE to send you only fine healthy plants true to name and that they will reach you in fresh planting condition. If for any reason packages are damaged in transit we will replace any injured plants free. All complaints must be made within 10 days. Owing to conditions over which we have no control, i.e. your culture, etc., no adjustments can be made after this period. We beg your indulgence if only a plant or so is damaged that we may send you a credit card to be used with your next order.



## TERMS

I GUARANTEE SAFE DELIVERY  
ANYWHERE . . . ANYTIME

**FREE DELIVERY** of all orders amounting to \$1.00 or more. A few specimen sizes noted in text are F.O.B. Hynes.

**MINIMUM ORDER** for free delivery is \$1. Orders for less must have 15c extra to cover packing costs.

## MAY WE SUBSTITUTE IF OUT?

Will you provide us with one or two second choices in your order? We will use them only if absolutely necessary.



# Some Rare and Unusual SUCCULENTS



**BURRO TAIL**

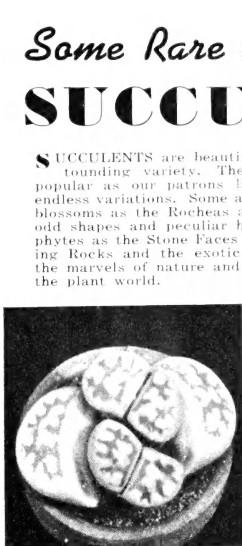
The finest new succulent introduced in many years. *Sedum Morganianum* fills an especial place in the window garden. Beautiful blue-white, pendent tails up to 3 feet long. May be grown pot on shelf or in a suspended pot. Likes plenty of water and not too much sun. Very easy to grow and even will succeed outdoors. It was found growing in a Mexican colon's house in the mountains. The Mexicans call it "Cola de Burro" (Burro's Tail) and prize it highly. Described in January, Better Homes and Gardens, 25c.

**CHAIN PLANT**  
Bears 3" handsome pink blossoms all summer. Likes sun and grows quickly. During summer throws out long flowering runners. **15c**



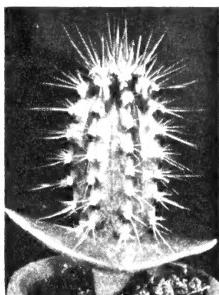
**EMERALD CHALICE**

*Puya spathacea* is very different with rose blossoms and emerald green, arching leaves. Likes water. **Each..... 15c**



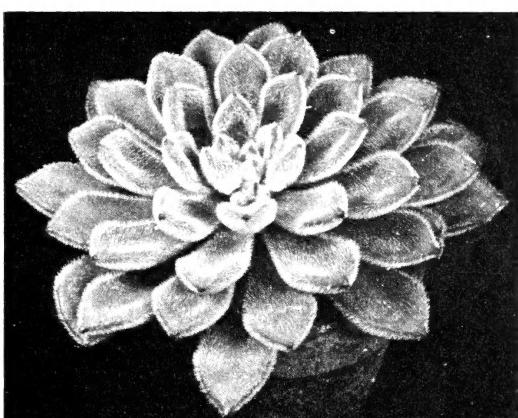
**LITHOPS BELLA**

This Stone Face has a bright pattern of "windows" on the top of its single pair of leaves between which the charming blossoms appear. Like all Lithops it wants a very sandy soil. **Each..... 25c**



**INDIAN COMB**

*Pachycereus pecten-aboriginum*. In the window garden this seldom exceeds 6" in height but in Mexico where it grows in the forests it lifts its huge columns to 30 ft. with great, curving arms. Indian women for ages have used the large, flexible, blunt spined fruits for combs and excellent ones they are. **Each..... 15c**



**ECHEVERIA DORIS TAYLOR**

This lovely plant is like the Mexican Firecracker but much larger. The silver-hued leaves glisten as the light slants across them. The leaves are orange-red, last a long time and are extremely beautiful. The rosette of leaves may become 8 inches in diameter. Give it plenty of light but not too much sun. All of these hairy leaved Echeverias like a moist rich soil with some sand. **Each..... 35c**

**AT LEFT**

**PANDA PLANT**

You will never regret having this most easily grown *Kalanchoe tomentosa*. The silvery, plush covered leaves are stained on the edges with rich, rust-brown giving the entire plant a most charming appearance. It will become quite bushy with many branches but seldom exceeds 8" in height. Likes a rich soil and for rapid growth feed it and keep the soil moist. **4"-6" 25c. Medium.**

**AT RIGHT**

**RATTLESNAKE CRASSULA**

The rare *Crassula teres* is seldom seen except in the choicest collections. Several stems arise from the base each eventually terminating in a cluster of white blossoms that scent the room with fragrance. It grows slowly and likes a light soil with coarse sand and some leaf mold. **Keep barey moist. Each..... 50c**

**DYCKIA ALTISSIMA**

The orange blossoms are borne on many branched 5 ft. stems and last for weeks. It belongs to the same family as the Pineapple and hails from Brazil. We find it one of the prettiest flowering plants in our gardens. Nice plants, 2"-3" **15c.**

**STAPELIA NOBILIS**

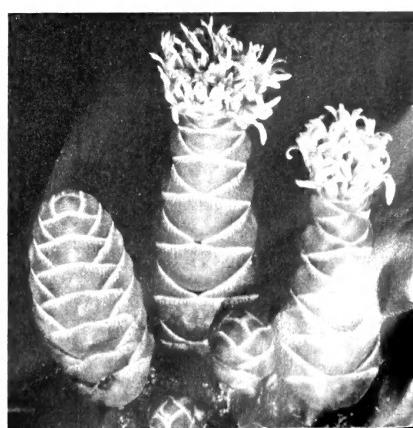
This grand Star Flower reaches 6"-8" across and is one of the prettiest as well as curious plants that we have. A few fine plants. **40c.**

**ECHEVERIA SET-OLIVER**

Blooms very early in the spring with large waxy red bells on handsome spikes. Handsome plush covered leaves tipped red. A fine specimen plant. **Each..... 25c.**

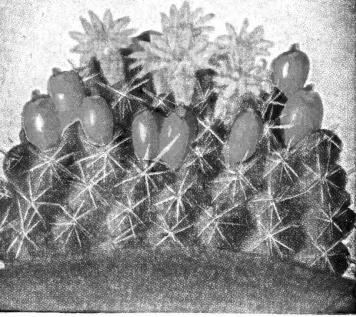
**SPIDER FLOWER**

The rare and beautiful flowered *Ceropogia stapeliformis*. We have only a few plants of this fascinating plant. **3"-6" 37c.**



# Mamillarias

OR PINCUSHION  
CACTI



## CORAL CACTUS, Nat. Size

The Coral Cactus is one of the prettiest of all with its circle of brilliant red berries and charming cream blossoms. The berries burst forth ripe and scarlet taking only a day or so to appear as they mature within the plant from the previous season's blossoms. The flowers are now red and fragrant and fruit profusely, the berries appearing at odd intervals during fall, winter and spring. Everyone succeeds with it and our plants will always fruit! Extra giants 3" to 4" 75c.  
Mature 2½"-3" full fruiting specimens..... 50c

## LOVELY MAMILLARIAS

**MAMILLARIA ANGULARIS.** One of the most striking winter bloomers with large, brilliant pomegranate-red blossoms borne in a bed of pure white wool. The large, low nipples have a long down-curving central spine and stiff radii. A vigorous plant soon forming a clump. 1" to 1½" 25c.

**MAMILLARIA ANGULARIS LONGISETA.** This charming variety flowers freely in winter. You will like it. 1" to 1½" 25c.

**MAMILLARIA CENTRICIRRA.** A fine water flowering variety with cream blossoms forming handsome many-headed specimens. Grows in the region adjacent to Mexico City. A few fine 2"-3" flowering size. 50c.

**MAMILLARIA CENTRICIRRA ROSEA.** We secured this fine new variety from Mexico two years ago. Like the type it is a late winter and early spring bloomer. 1"-1½" each 18c.

**MAMILLARIA CARNEA.** A pretty flowered variety from central Mexico with broad, low, triangular nipples of pale green tipped with reflexed, stout spines. A pretty specimen plant. 25c.

## WELL PACKED PLANTS

Dear Sir:

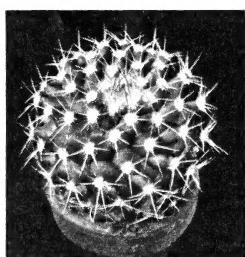
I received my order in excellent condition and as I was putting the last plant a neighbor came in and said, "How on earth did they ship them, they look so fresh and not a spine broken." The next day one bloomed! Thanks for the extra ones. Enclosed find a new order. Sincerely,

MRS. MARY BRUNSON,  
2931 Glendale Ave.,  
Cincinnati, Ohio.

## PAINTED LADY, 2/3 Nat. Size

*Echinocactus Dorenborgii*

A choice variety with spring flowering sweet-scented and one that is quite easily. The blossoms are orange-red borne on short spikes and several may appear on each plant. The leaves are much prettier than shown, being powdered white with red tips. Giants 25c.  
Fine flowering size..... 15c



## MAMILLARIA HOFFMANIANA

This charming variety is a great favorite of mine. With age the crown becomes hairy white and the red blossoms push out through the soft wool. 1"-1½" 15c

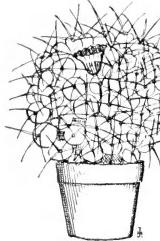
**MAMILLARIA DURISPINA.** This charming variety has straw colored spines and many pink blossoms during the spring. I am sure you will like this consistent bloomer. In Mexico where it grows wild it is generally a solitary plant and may grow to a height of 6"-1½". 18c.

**MAMILLARIA ELEGANS.** Of this handsome species I have only a few flowering plants. It is one of the most pleasing of all with white spines and pomegranate red blossoms in February and March. Flowering size 1½"-2" 37c.

**MAMILLARIA ALBICANS.** A handsome white spined species from Lower California found on the island of Santa Cruz. Fine 1½"-1½" 35c.

**MAMILLARIA ELEGANS POTOSINA.** A beautiful variety larger than the type with fine red flowers. Forms clusters with age. From San Luis Potosi. 1"-1½" 22c.

**MAMILLARIA HAAGEANA.** A small species with white spines tipped with black. Flowering size 2" 37c.



**PINCUSHION CACTI** are at home in the window garden perhaps as well or better than any other group. They never grow out of bounds and mature flowering plants are easily grown in small pots. They are of particularly easy culture, too, and quite consistently flower many of them during the winter and spring.

It is surprising how nature produces so many variations on a single theme. Certainly in the Mamillarias she has extended herself. Some are solitary, while others form clustered groups, the heads hexagonal from the pressure of their fellows. Conspicuous are the white spined species some even having long silky hair and one appears as though covered with feathers.

## BEAUTIFUL MAMILLARIAS

These lovely cacti are particularly fine for the person who has but a limited space. Even when fully mature the plants are not too large and

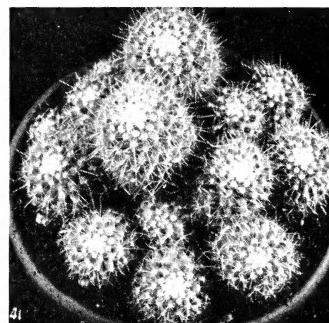
they all grow readily even for the beginner. Every garden should have a representative collection such as these offered below.

### COLLECTION N1A

10 Labelled plants including Powder Puff, Lady Fingers, etc. \$1.50

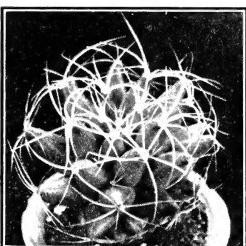
### COLLECTION N1B

20 Labeled varieties in a fine selection. Bird's Nest, Cotton Cactus, Ruby Dumpling, etc. \$2.50



## YELLOW RAINBOW

**Mamillaria rhodantha schizacantha** This lovely variety of the Redhead Pincushion comes from the hills of Mexico where it grows in fertile soil on the high table lands. The blossoms are fiery carmine and contrast beautifully with the yellow spines which are sometimes tinged with brownish. They do not like too hot sunshine and just a trace of shade will please them. Give them a sandy but fertile soil. 1"-1½" 27c.



### BIRD'S NEST

*Mamillaria cactophytica*

As the name says, the spines are tipped with yellow spines that are pearly, soft and harmless. The plant is much given to clustering young plants pushing up from the sides. Flowers pale yellow, like moisture. 1"-1½" 18c.

15c

**MAMILLARIA KUNTHII.** Quite similar to *Mamillaria elegans* with close set, white spines tipped black and red blossoms. ¾"-1" 23c.

**MAMILLARIA CROCICIDATA.**

Native to Hidalgo. Flowers are bright carmine in a ring about the crown where they appear amongst the white wool cloth-ing the crown. 1"-1½" 20c.

## LOVELY PLANTS

Dear Mr. Johnson:

The shipment arrived in perfect condition and are such lovely plants. If you could have heard the Oh's and Ah's as each was unwrapped you would know how pleased you would be. Did you know the Lady Finger was in bud and now I have a cute little blossom and more coming. Many thanks for the extras sent.

Sincerely,  
MRS. DAN FLEISS, Decatur, Mich.

## THE HIDALGO PINCUSHION

**Mamillaria hidalgensis.** A very quick growing and most satisfactory plant. Likes a quite rich soil and quite a bit of moisture. The rounded head is covered with white wool, particularly so at flowering time when the blossoms appear in a crimson circlet. Particularly recommended and a favorite of mine. 2½" 30c. 3" 40c. 1"-1½" 17c.

**MAMILLARIA PETTERSONII.** A fine specimen as a small plant and with age may reach 8" in height. It has a very attractive spine pattern and as the plant matures much white wool appears between the nipples in which the flowers nestle. Spring bloomer. From Guanajuato, Mexico. Fine plants ¾"-1¼" 20c.

**MAMILLARIA MACRACANTHA.** A rare red flowered flat-topped species with large triangular nipples tipped with heavy spines. 1½"-2" 30c. 3" 40c.





**OWL'S EYES**  
*Mammillaria Parknioni*

One of Mexico's finer contributions this lovely species has hairy white spines and a cluster of pale yellow blossoms followed by red berries. The heads fork rather than branch and have 2 or 3 indented crowns giving the plant its appropriate common name. A few specimens 2½"-3½" 50c.

After June 1-1"

**19c**

They will grow well in almost any soil. For the expert who likes to take pains we recommend 1 part gritty sand, 1 part rich but sandy loam, 1 part leaf-mold with a good sprinkling of powdered eggshells or old lime mortar. Some like to add either bricks crushed to the size of peas or charcoal with the intention of keeping the soil open and "sweet." Their growing season is from April till fall when they may be kept fairly moist particularly if they have plenty of light. During the winter less moisture is needed. If you have a porch or garden where they may be placed outdoors during the summer they will show their appreciation by vigorous, matured growth. Many varieties are winter flowering. They all enjoy an airy, light position in the windows.



**A REAL CACTUS FAN**

Dear Sir:  
I started collecting Cacti about 3 years ago when I bought one from a florist. I liked it so well that at Xmas I received another. I bought even more cactus I saw filled the window sill and now have a 5 ft. shelf with 4 rows of potted Cacti—over 100 plants. I have received several additional plants from you and have a few planted in the yard.  
I am much pleased with the Cacti sent me on the last order especially the Grizzly Bear. Since my collection is young the plants are small and when I found that large Grizzly Bear I was delighted.

Respectfully yours,

ALBERT LINCK,  
1710 Grandview Ave., Portsmouth, Ohio.

**Mammillaria microhelia.** A lovely little plant with the prettiest golden stars tipping each nipple. A veritable jewel among plants. It was recently discovered in Queretaro. Give it full sunshine and not too much water. Flowers creamy pink. 1"-1½" perfect plants. **22c.**

## Culture of Mammillarias

**MAMILLARIAS** are found principally in Mexico though many are native to the U. S. They extend south through Central America to Colombia and Venezuela, but become progressively less numerous below Tejuantepec. Generally they are mountain species inhabiting the semi-desert ranges. Some however are found right down on the salty sand of the beach.

Though their habitats differ very widely yet in cultivation they all seem to thrive under very much the same treatment. In general those with white spines seem to come from the driest regions and often from limestone country. For this reason we recommend a quite porous soil with powdered eggshells or old lime mortar from brick walls or plaster. However, all varieties like the lime. Our Soil Conditioner is useful and our Cactus Compost helps only the addition of loam and sand to make a perfect Cactus soil. Unless you have plenty of sclerophylous leafmold you will find it exceedingly economical as one 70c package when mixed will make 8 to 12 quarts of compost.

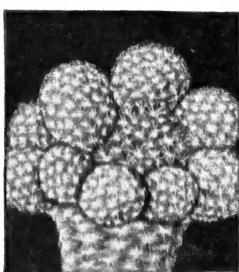
They will grow well in almost any soil. For the expert who likes to take pains we recommend 1 part gritty sand, 1 part rich but sandy loam, 1 part leaf-mold with a good sprinkling of powdered eggshells or old lime mortar. Some like to add either bricks crushed to the size of peas or charcoal with the intention of keeping the soil open and "sweet." Their growing season is from April till fall when they may be kept fairly moist particularly if they have plenty of light. During the winter less moisture is needed. If you have a porch or garden where they may be placed outdoors during the summer they will show their appreciation by vigorous, matured growth. Many varieties are winter flowering. They all enjoy an airy, light position in the windows.



**FISH HOOK PINCUSHION**

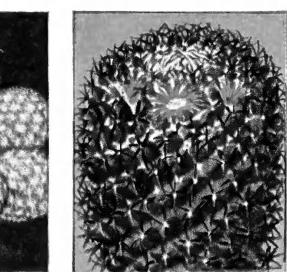
This pretty, delicate spined plant is related to the Powder Puff but has reddish centrals each with a tiny hook. With a cluster of youngsters clinging to her skirts and the charming flowers and fruits you will like. 1"-1½"

**23c**



**THIMBLE CACTUS**  
*Mammillaria fragilis*

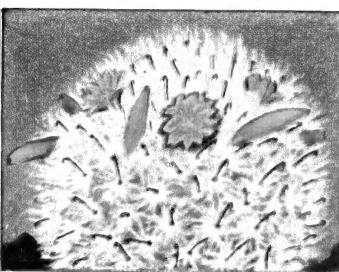
Like the "Old woman who lived in a shoe" this little cactus has more children than she knows what to do with. Pure white, harmless spines and every little baby will quickly grow. Each



**RUBY DUMPLING**  
*Mammillaria tetracantha*

A quick growing cactus with bright crimson spines with maturity a hairy white head. It has long been a favorite with sturdy growth and vigor. 1½"-2" 35c. 1"-1½" 25c.

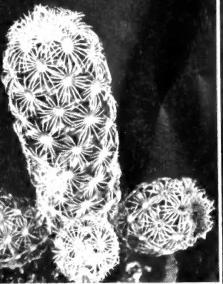
**17c**



**POWDER PUFF**  
*Mammillaria hirsutissima*

Like a bursting cotton ball this little plant is clothed with silky, snow-white hair instead of spines though it bears one tiny hooked one on each slender nipple. Very easy to grow and attractive at all times. Nice plants 1"-1½" each

**22c**



**MAMILLARIA ELONGATA TENUIS**

Amongst all the cacti I know this is one of the brightest and easiest to grow quickly forming fine clusters often producing 5 to 10 arms the first season. Fine clusters each 35c. With 7-10 heads 50c. Fine single heads.... **18c**

**MAMILLARIA PHYMATOTHELE**, A most rapid growing species with cylindrical dark green stems up to 6 or more inches tall. The depressed top is furnished with white wool among which the bright carmine red blossoms appear in late spring. Give it generous treatment and you will likely have a fine specimen. 1"-1½" **18c**

**MAMILLARIA KARWINSKIANA**. A very free flowering variety with white petals each striped on the back with red. Grows easily and freely the flat-topped globes with heavy triangular nipples and short spines. Large flowering 2"-2½" **40c**. Small ½"-1" **17c**.

**MAMILLARIA LESAUNIERI**. A chatel of many crimson blossoms. Likes a warm sunshiny window. 1"-1½" **23c. ¾"-1" 18c.**

**MAMILLARIA LASIACANTHA**. A miniature plant with a myriad tiny white spines and pretty pale pink blossoms. Mature flowering 1"-1½" **18c.**

**MAMILLARIA MARTINEZII**. A very pretty species with reddish spines and solitary growth. **20c.**

**MAMILLARIA CHINOCEPHALA**. A rare white spined species. ¾"-1" **25c.**

**MAMILLARIA MELANOCENTRA**. This pretty plant is from Monterey, Mexico, has globular stems flattened at the top with white wool and long black spines. Flowers lively pink. A large, beautiful and variable species. 1½"-2" **30c.**

**MAMILLARIA McDougallii**. A flattened species from Arizona with creamy white blossoms and red berries. ¾" **18c.**

**MAMILLARIA NIGRA**. A tall growing species received from Mexico with carmine flowers and rounded white woolly head. 2½"-3" **35c.**

**MAMILLARIA PERBELLA**. A fine species with flattish, depressed top, white spines and pink flowers. 1" **21c.**



**LADY FINGERS**  
*Mammillaria elongata Schmollii*

A dainty gem and so easy to grow. Each little plant is a bright mosaic of rich golden, hairy spines. Quickly forms fine specimens. Nice clusters 35c each. Single

**67c**



### GOLDEN STARS

*Mamillaria elongata*

Charming shining yellow star nipple surrounded by a golden star. As it grows rapidly and offsets freely it soon forms a valuable cluster. Grows in either sun or partial shade. When mature it may be 6 inches tall and have a diameter of 4 inches. This plant well shows its branching habit and neat golden star clusters. Clusters 3 to 5 heads 35c. 7-12 heads 50c. Nice bright plants 1½"-2" 18c.

**MAMILLARIA PFEIFFERI.** A variety of the Rainbow Pincushion with bright yellow spines and carmine blossoms. A lovely specimen plant. 1"-1½" fl each 35c.

**MAMILLARIA SEMPERVIVI.** A fine flat-topped variety with very short spines on many short triangular nipples. At flowering the wool becomes dense and snow white. Flowers pink in late spring. 1"-1½" 20c.

**MAMILLARIA SCHELHASEI.** A woolly white species with hair-like hooked central spine, red-brown in color. The axile and nipples bear a cloud of long silky white hairs among which the creamy white blossoms and scarlet fruits appear. 1"-1½" 20c.

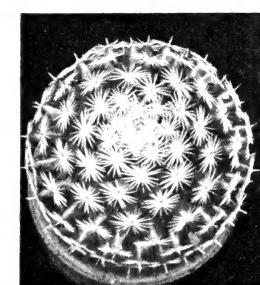
**MAMILLARIA SAETIGERA.** A new species from Queretaro globose with woolly areoles and white, spreading radial spines. Flowers white with rose stripe. ½"-¾" 21c.

**MAMILLARIA SCHMOLLI.** A rare species with thickly set, white spines. It does not cluster but forms a pretty cylindrical small plant with yellow blossoms. 1"-1½" 25c. ½"-¾" 17c.

**MAMILLARIA SPINOSISSIMA SANGUINEA.** A lovely variety with large, brilliant pink blossoms in a perfect crown. The plexed slim white spines are tipped with red on older plants. An elegant plant worthy of the choicest collections. ¾"-1" 25c.

**MAMILLARIA STANLEYI.** Brilliant rose-madder blossoms. Nipples low, triangular-conical with straight spines. A new species. ½"-1" 18c.

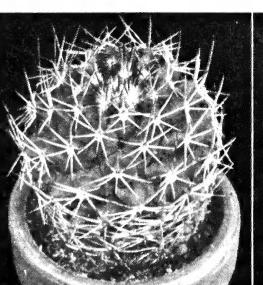
**MAMILLARIA TRICACANTHA.** Is quite distinct but faintly suggestive of the Cotton Cactus. Many long, white hairs in axils and on nipples each of which bears a red hooked spine. Flowers pink. 1" 25c.



### MAMILLARIA PERBELLALANATA

Charming rose-pink flowers with a darker stripe down each. Commences flowering in late winter. A very neat little plant.

1½"



### MAMILLARIA DURISPINA

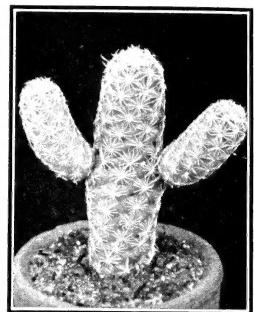
Brown and buff spines and nice pink blossoms during the spring. I am sure you will like it for it is a most consistent bloomer.

1"-1½"



### MAMILLARIA BOGOTENSIS

Pale yellow spines and pink blossoms borne well down on the stem. A rare and pretty species from Columbia. 1½" flowering 30c. ¾"-1" 19c.



### JELLY BEANS

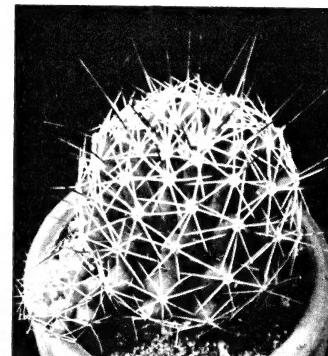
A cute new variety of the Thimble Cactus with finer spines and many branches, each one of which will form a new plant. You will like it. Branched.

17c

### A COLLECTOR'S COLLECTION

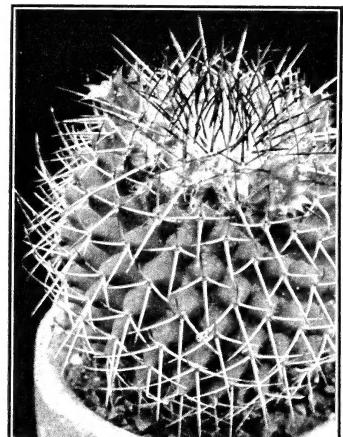
For the collector who appreciates choice varieties at a very low price I am offering a wide selection in many genera. First quality catalog plants correctly labeled!

<b>COLLECTION N 3</b>	
50 species of Cacti and Succulents. My selection.....	\$5
<b>COLLECTION N 4</b>	
100 species of Cacti and Succulents. My selection.....	\$10
<b>COLLECTION N 5</b>	
50 species of Cacti only. My selection.....	\$6



### GNOMES' PINCUSHION

The rare Mamillaria decipiens flowers when quite small and its pale yellow spines and quantities of babies make it a great favorite. Grows anywhere, the white blossoms appearing as early as January. Nice plants 1"-1½" 17c



### MAMILLARIA PHAEACANTHA

I particularly recommend this early, red flowered Pincushion because of its quick and easy growth and because it flowers throughout the summer. Nice 1½"-1¾" flowering 23c. ¾"-1" 17c

### HOW A COLLECTION BEGINS

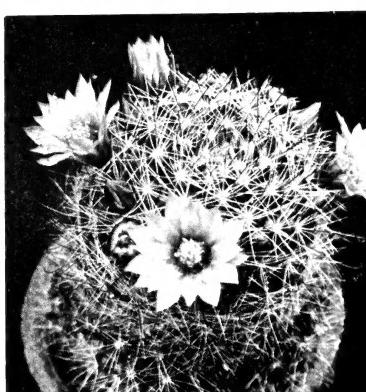
Dear Sir:  
I have had several small plants for some time. Some of them slips and cuttings from larger plants given to me by friends have done well here but none compare with the truly magnificent specimens from your gardens. I was pleased with the size of them and marvel at their beauty. They were all in excellent condition when received.

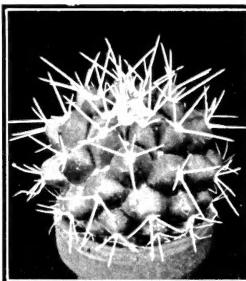
TED LIGGETT, 428 W. Gordan Ave., Spokane, Wash.

### ROSE PINCUSHION

The very lovely Mamillaria Zeilmanniana with its quantities of large, brilliant rose blossoms produced in early spring is one of the rarest and most beautiful of all. These are quite the largest and open widest. Lasting many days in perfection. Of the easiest culture and liking a trace of shade in summer. Give it a fertile, sandy soil.

30c

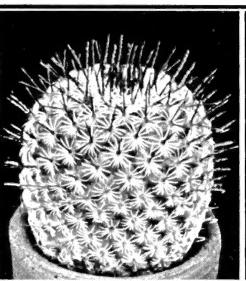




**MOTHER OF HUNDREDS**

*Mammillaria compressa*

A pretty variety with white spines imbedded in masses of white cottony growth. The plant appears to be being covered with snow. It eventually branches forming close packed mounds with scores of heads! A winter bloomer.  $\frac{5}{8}''-1''$  19c

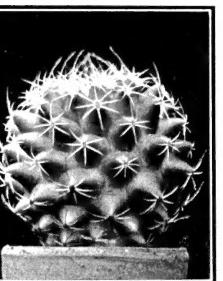


**VAUPEL'S PINCUSHION**

*Mammillaria Vaupelii*

One of the prettiest of the smaller, richly colored Pincushions. Beautiful when the sun is shining through the glossy spines! The plants grow singly and may eventually reach 2 in. in diameter. A choice species.

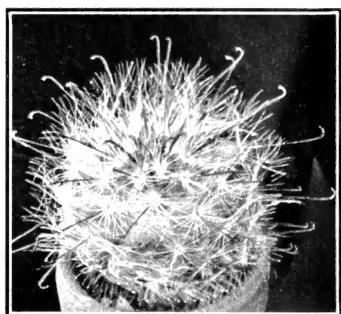
Small 1 $\frac{1}{4}$ " 19c



**PINCUSHION**

*Mammillaria kewensis*

A rapid growing species of which our customers write that it often reaches a foot in height in 3 or 4 years. Makes a prized specimen for with age it assumes an entirely different aspect. Blooms profusely with crimson flowers followed by pale pink berries. 1 $\frac{1}{2}$ "-2 in. 35c. 2 $\frac{1}{2}$ " in. 43c. 1 in. 19c

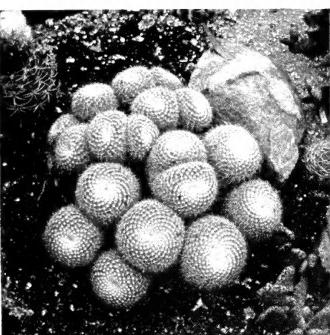


**COTTON CACTUS**

*Mammillaria longicoma*, Nat. size.

Long white hair with a single tiny, fish hook spine in the center of each tuft characterizes this pretty plant. The crimson colored blossoms appear in the spring and are topped by bright pink berries. Nice blooming size 1 $\frac{1}{2}$ "-1 $\frac{1}{4}$ "

20c



**MAMILLARIA CELSIANA**

An attractive species with short yellow spines and bright red flowers. With age it forms most beautiful, large, many-headed clusters. Though it grows readily it is not a common plant as seed is very scarce. This lovely variety thrives well in half-shade in a light, fertile soil.

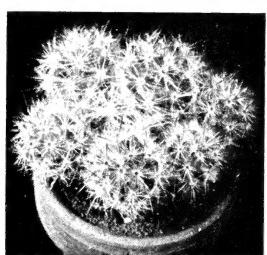
26c

#### FEATHER CACTUS

This extraordinary plant (*Mammillaria plumosa*) bears feathers in place of spines! One of the handsomest plants I know—snowy white and entirely covered with a feathery fringe. You will have to see it to be convinced. Of the easiest culture. Fine plants 1 $\frac{1}{4}$ "-1 $\frac{1}{2}$ " 50c.

**MAMILLARIA NUNEZII**. A rare new species, solitary with long, slender, silvery spines and red blossoms. 1 $\frac{1}{2}$ "-1 $\frac{1}{2}$ " 30c.

**MAMILLARIA KUNZEANA**. With long, silky-white hairs almost spineless with the exception of two tiny, hooked, dark spines on each nipple. Pale pink blossoms. Fine flowering size 1 $\frac{1}{2}$ "-1 $\frac{1}{2}$ " each 29c.



**GRAPE CACTUS**

This dainty little cactus bears an endless quantity of "pups" each one of which will grow. It is widely spread in Texas, Mexico and even Haiti. Grows easily in sun or shade the cream flowers appearing in the spring.  $\frac{1}{2}''-1''$  15c

#### PLANTS WITH GOOD COLOR

Dear Mr. Johnson:

I am so pleased with the plants sent me. They are so strong and have grown so pretty, such a beautiful golden color. It stands out from all the rest with its beauty the picture doesn't do it justice. Well I am mighty proud of all my cacti collection now. Many thanks for the "Painted Lady." I have recommended you to all my friends.

A friend and fellow flower lover.

MRS. E. L. SWABY

539 Mary Ave., Collingsville, Ill.

#### Mrs. Palmer Has An Attractive Window Garden

Dear Mr. Johnson:

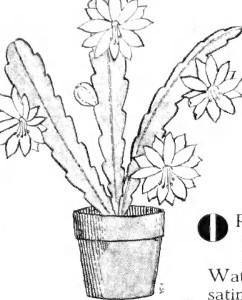
I can't tell you how pleased I am with my Succulent collection. Most all of my plants have come from your garden and all are doing fine. Some have even bloomed. I only started collecting last fall and now I rattle off the botanical names and half frighten my friends ("with my vast knowledge"), but seriously I really do enjoy my plants and love reading up on them in my Succulents for the Amateur book.

I have shelves on my porch for them and they stay out there all the time—my porch faces east so my plants get plenty of sunshine all morning but are shaded from our intense Arizona sunshine in the afternoon. Everyone raves over my pretty plants in their colorful glazed pots. And such plants are really a boon to one like me who never could get a fern or an ivy to grow because I would forget to water them.

Most sincerely,

MRS. S. B. PALMER, Rt. No. 2, Box 329, Phoenix, Ariz.





# Epiphyllums

## OR ORCHID CACTI

### SPECIMEN ORCHID CACTI

We have a few fine flowering size plants of the best named varieties mixed 1<sup>1</sup>/<sub>2</sub>"-5" pots 16"-21" tall, bracheted, prepaid only

**\$1**

### GENERAL LIST RED SHADES

**AMBER QUEEN.** A handsome variety, the outer petals shiny red with undulate margins. Inner petals orange red, shading to yellow at the base, giving the flower a rich, amber glow. Easy to grow. **50c.**

**ETOILE DE CONTICH.** One of the most vigorous and easily grown varieties with sturdy, often triangular leaves. Quantities of large, well-shaped flowers; outer petals salmon red, inner flushed with violet. Recommended for consistent performance. **35c.**

**FRANZ LEHAR.** Crimson outer petals edged with lilac inner petals rose-red. **75c.**

**HANS REHM.** Glistening deep red 8"-9" blossoms with inner petals edged purple, striped with orange down center. A fine subject. **50c.**

**HERMOSISSIMUS.** A spectacular blossom and one of my favorites. The brilliant red petals each have an orange stripe down the center bordered by violet and with a luminous purple throat. Extremely free in flower and a strong grower. **50c.**

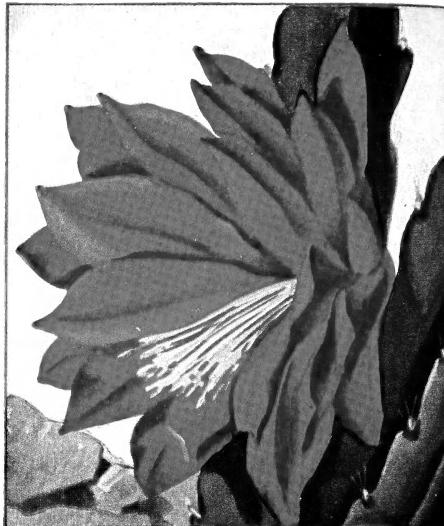


### QUEEN CACTUS

*Epiphyllum oxyptatum*

This exquisitely fragrant species with its snowy white, graceful flowers opens in the early evening. Likes a rich soil and plenty of moisture and a half-shady position. Well known and a very free flowering species.

**40c**



### VIVE ROUGE

This is an exceptionally fine variety and is so much superior to the old Ackermannii that we are furnishing it in its place. The growth is much the same, sturdy, vigorous and sometimes with triangular stems. The exquisite deep red blossoms reach 8" in diameter and shine as though with frost. From the great vessel-like stems the slender stems are in great gear to grow. Requires quite a bit of water and some shade and a light, fertile soil. Our customers write that we have never described this fine blossom with full justice and you will agree with them when you see it. Each.....

**35c**

### RED, WHITE & BLUE COLLECTION

Collection N 6

**6** Beautiful Orchid Cacti particularly selected for their long blooming season. Gloria, Pink Nymph, Hermosissima, Cooperi, Vive Rouge, Latona or similar varieties.....

**\$2**

### RAINBOW COLLECTION N 7

**4** Orchid Cacti, my selection in red, white, pink and crimson, colorful and free in bloom. Fine varieties.....

**\$1**

**PEACOCKI.** One of the grandest and most striking flowers I know. Immerse blossoms 10" across with broad overlapping petals, the outer ones vivid carmine red, the inner intense violet-blue with an exquisitely luminous throat. Stems are triangular and erect. **50c.**

**SCARLET GIANT.** A huge, strikingly beautiful variety with 10" blossoms vividly orange scarlet. Throat violet red. **50c.**

**LEOBNERI.** A vigorous plant often with triangular stems and large 8" blossoms carmine within, outer petals shading to violet. **35c.**

**TULIP.** A very vivid red flower with extremely broad overlapping petals. Charms. **35c.**

**OSWALD KNEBEL JR.** An attractive flower of scarlet shading inwards to light crimson, the petals edged with violet. **40c.**

### WHITE AND CREAM

**EDEN.** A vigorous grower, inner petals pure white, outermost bronze shading to yellow. Large and well-formed. **50c.**

**LUNA.** Large white flowers with beautifully recurved outer petals, inner edged with pale lemon yellow. **50c.**

**COOPERI.** Long tubed, snowy white flowers produced near base of plant. Very pretty. **35c.**

**MAGNOLIA.** Fragrant 8" pure white blossoms truly named Magnolia. **35c.**

### GLORIA

2/5 Nat. Size

This magnificent variety has gorgeous, flame-colored blossoms 8" to 9" across. Its season of bloom is one of the longest, flowers being found from April till August. It is very easy to succeed with, always moderate in size and will flower when quite small. 3" and 4" pots make nice flowering specimens. I think it one of the most outstanding varieties and unqualifiedly recommend it to my patrons. You will like it. Rooted cuttings **35c.** Specimens \$2.00 F.O.B. Hynes. Nice plants.....

**50c**

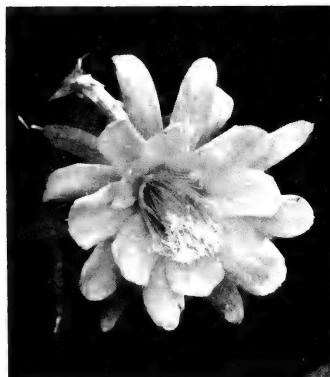
## CULTURE OF ORCHID CACTI

Their care is very simple and easy and presents no difficulties, for like all cacti they adapt themselves readily to window or garden conditions. Let me first describe how they grow wild for I have found when I know the natural conditions under which plants grow I can better comprehend their likes and dislikes.

Orchid Cacti are found wild in the tropical forests of Central and South America and NOT on dry, hot deserts. They are usually found growing as epiphytes up in the trees rather than on the ground. I have found them often in Central America attached to bare tree trunks their cascading "leaves" bearing buds at every crenation.

This explains why they like a moist, semi-shady position and since they live in the trees, plenty of fresh air. The soil like a sandy loam little water from which the water drains away quickly. They like plenty of water during the growing season from March to October when they should not be allowed to get very dry. During the winter they may be kept a mite drier to mature growth for their stems flower in summer. At no time should they become dry enough to shrivel. If you can put them outdoors beneath a tree during the summer they will show their appreciation with a bountiful display of flowers. They flower from April till August on the leaves made during the previous summer, never on the young growth. Feeding with cactus food greatly stimulates their growth and flowering.

A soil of gritty sand, leaf mold and light, fertile loam in about equal proportions suits them nicely. Do not overpot them. An average plant as shipped should not have a larger pot than 4" until well established. Plants always reroot quicker in small pots where the roots have better access to the air. Winter them in a cool place above 45 degrees.



**AGATHA**

This is a singularly beautiful variety with perfectly formed blossoms. The petals are of a lovely satiny texture and, in color, a rich, warm, pastel pink difficult to describe, the center being a fine ruby red. Each..... 50c

### ORANGE SHADES

**SUN GODDESS.** Huge flowers often 12" across of brilliant golden bronze hue and vivid violet throat. This gorgeous variety opens widely with charming shell-like petals. 75c.

**WIE GRAND SOLIEL.** The slender orange petals are edged with cerise, the inner petals carmine. 75c.

**SUNBURST.** An outstandingly colored variety with long, graceful, burnt-orange petals and brilliant, violet-purple central eye. 75c.

**ERNEST VON SEYDERHELM.** Large coppery-orange flowers shading to bronze and violet, each long tapering pointed petal with lacquered sheen. 50c.

### PINK AND ROSE

**LATONA.** A lovely flower of huge size and an extremely early and profuse bloomer. The exquisite, loosely petalled flowers appear orchid pink. Outer petals are deep rosy red, the inner series suffused with blue. This should be in every collection as it is a charming blossom of a most unusual color. 40c.

**PADRE.** An old favorite with warm pink blossoms that in mild weather may be found in flower any month in the year. No collection should be without it. 50c.

**PINK NYMPH.** Charming, salmon pink blossoms and a fine bloomer. The petals are distinctly ruffled. Very pleasing flower quite late in the season. 35c.

I have a special culture leaflet for **Shade Loving Cacti** that I send for 10c to cover mailing and handling.



**DR. A. D. HOUGHTON.** A free flowering Orchid Cactus  $\frac{1}{2}$  nat. size.

This brilliant blossom is far brighter than the painting and I despair of describing the inner effulgence with which it seems to glow. The throat is an exquisite electric blue-violet impossible of description. The outer petals bright red shading into orange red, the inner petals brilliantly bordered with violet. The long arching stems are studded with the slender buds which in opening wreath the plant in brilliance. A free, healthy grower. Large specimen flowering plants \$2.00 F.O.B. Hynes. Nice plants 50c and.....

75c



**CHRISTMAS CACTUS**

Zygocactus truncatus

The beautiful Fuschia-like blossoms are seen from December til March when other flowers are dead and fading. Give same treatment as recommended for Orchid Cacti. In its native Brazil it is found in the cool Oregon mountains growing up in the trees sharing the misty sunlight. 25c

### PEACOCK COLLECTION

Collection N8

A choice free blooming collection of the handsomest and easiest culture.

1. Latona
2. Etoile de Contich
3. Eden
4. Gloria
5. Dr. Houghton

Five exquisite kinds all easy to grow in a fine color range..... \$2

**LILACINUS.** A beautiful cup-shaped flower lilac pink with rose center and satiny sheen. Free flowering and vigorous. 40c.

**ROSE PERFECTION.** Lovely fresh rose blossoms of exquisite form. 35c.

**ROSEUS SUPERBUS.** Shell pink with rose throat. 7". 50c.

### COMPLETE EPIPHYLLUM LIST

Describes many varieties of these gorgeous flowers. List free to customers. For reference 5c.

### THANKSGIVING CACTUS

The first to bloom in the fall is this pretty Crab's Claw Cactus that flowers in November and December. The handsome flowers are like the Xmas Cactus but are a fine salmon-pink in color. 37c.

### POP CORN CACTI (Rhipsalis)

An interesting group with slender hanging stems, white flowers and berries like mistletoe. Treat like Xmas Cacti.

**POP CORN CACTUS.** Rhipsalis cereuscula. See picture page 18. A charming species with many short branches on long stems.

**RHIPsalis MESEMBRIANTHEMOIDES.** White blossoms with many short, hairy branches on arching stems. Rare. 30c. **Rhipsalis paradoxo.** A rare species with curious, oddly angled stems. 40c. **Rhipsalis Warmingiana.** 30c.

### LINES WATER LILIES AND CACTI, TOO

Dear Mr. Johnson:  
I would greatly appreciate your catalog on Water Lilies I noticed in your Cactus Catalog you handle them, too. I have a pool now but plan to change it this winter. All my Cacti are growing fine and I enjoy them very much. In the snapshot are some of my Cacti, mostly from your gardens. Most of them are blooming freely.

MRS. RUTH ERICKSEN, R.F.D. No. 5, Danbury, Conn.

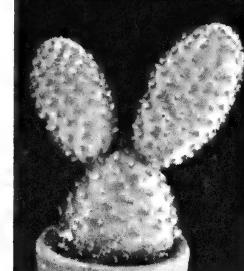




#### OLD MAN OPUNTIA

*Opuntia vestita* is one of the numerous fine species from the Andes Mountains of South America. The young stems are spineless but are clothed with long white hairs almost entirely covering the stem. An odd fact is that the young stems bear many subulate, true leaves which wither and fall off as the plant matures. Bears crimson flowers followed by waxy red fruits. Likes half shade and when growing to be kept moist. Fine woolly plants.

3"-5" 27c



#### BUNNY EARS

Every collection wants this pretty variety with soft golden glochids and eared pads.....

17c

# Opuntias OR PRICKLY PEARS

THESE most interesting cacti are found throughout North and South America ranging from the Peace River in Canada to the Straits of Magellan. There are literally hundreds of kinds, some like our flat-leaved Prickly Pears; others shrubby, cylindrical stemmed ones similar to those covering the mesas of the Southwest. In the tropics they grow into great trees and the fruits of some are staple in the markets of the sub-tropics throughout the world. Some are tiny dwarfs, others are woolly like old Men Cacti, some bear true leaves, some are spineless and some have wicked spines sheathed in paper caps.

#### AUTOGRAPH CACTUS — A Living Autograph Album

A permanent living record of your friends! Be the first in your neighborhood to secure your friends' autographs on this novel plant! A real friendly gesture. Write with a pin or clean steel pen on the bright green spineless pads and the name will soon appear in white relief permanently! Handsome, decorative, easy to grow, liking water and rich soil. 5"-7" branched. 28c

#### JADE BUDDHA

A fat, jade-green plant with checkered stems. Young growth bears a crown of awl-shaped leaves. 2"-3" 15c.

#### BURBANK'S SPINELESS CACTUS

A large fruited variety popularized by Luther Burbank. Pads up to 12". Sweet red fruits. Large cuttings \$1.00. Smaller 50c.

**OPUNTIA TOMENTOSA.** A large tree-like variety often up to 15 ft.! Oval pads are faintly hairy and with few spines. Beautiful deep green. Grows rapidly into a fine specimen. Pads 25c.

**OPUNTIA SANTA-RITA.** A very handsome species with pale silvery green pads and large, richly colored blossoms with deep red central eye. A nice branched plant. Each 27c.

#### LEMON VINE CACTUS

A true cactus with waxy, fragrant yellow blossoms in clusters and waxy leaves. Flowers, fragrance and leaves like a lemon tree! This is the variety used to graft Xmas Cactus on. Large 2'-3' 87c. Small 6" 20c.

#### QUIABENTIA CHACOENSIS

A very rare opuntia from Bolivia with wheel-shaped red blossoms! Bears leaves on cylindrical stems. 75c.

#### TACINGA FUNALIS

An extremely rare monotypic genus from Bahia, Brazil, where it grows on the catinas of which its name is an anagram. 4"-6". 75c.

#### CONSOLEA RUBESCENS

Fine bronze red pads. 35c.

#### HARDY CACTUS COLLECTION N 9A

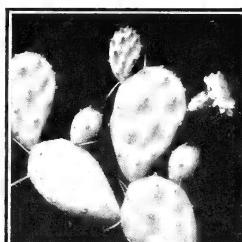
10 Winter Hardy Opuntias  
for Outdoors..... \$1.50



#### CRESTED BOXING GLOVE

Collectors are always on the lookout for crested cacti and here is a fine, well-crested variety that becomes very convoluted. As it is slow to propagate we have but a limited amount

to offer. 2"-4" 35c



#### ORANGE TUNA

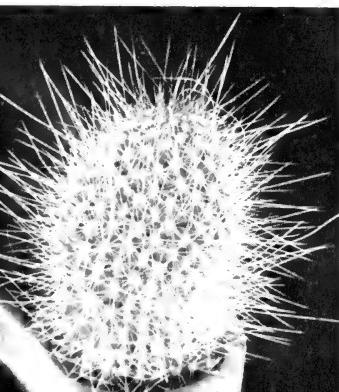
Grows very easily with brilliant orange pads and almost spineless pads. Against a lighted window it forms a fine silhouette. 6"-9"..... 50c  
Branched specimens 6"-9"..... 1.00  
Larger 10"-12" branched..... 21c  
Fine pads.....



**OPUNTIA SUBULATA.** A fine tree-like species with thick round rich green stems and large true leaves. The spines are the ones commonly used to pin grafts together. Grows quickly and branches freely. 10"-12" 50c. 4"-6" 25c.

#### PAPER SPINE OPUNTIA *Tephrocactus glomeratus*

One of the rarest and most curious kinds with long curling white papery bands for spines! They grow most easily and branch very freely. In the wilds they form low, spreading clumps. See cut page 13. 35c.



6 Pretty Opuntias in contrasting varieties. You will like them all for some have round, others flat, pads. Bunny Ears, Dwarf Tree, Autograph Cactus, Golden Tuna, Jade Buddha, Boxing Glove. Nice size plants. 3"-6" 80c

At Left.

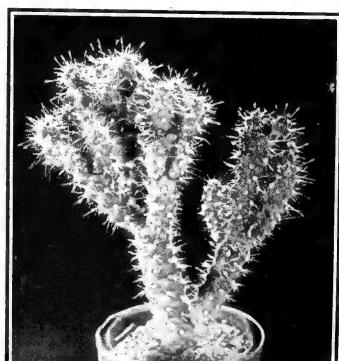
#### GRIZZLY BEAR *Opuntia ursina*

An old favorite which will be one of your most prized specimens. Grow it in almost pure sand where its roots will luxuriate. Nice plants 3"-6" 22c

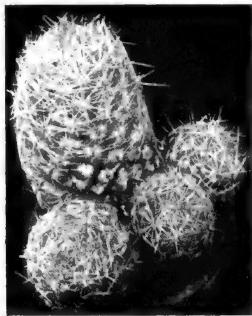
At Right.

#### DWARF TREE OPUNTIA *Opuntia vilis*

Grows on a tiny, well-branched tree with round trunk some 4" tall. Grows very well under all conditions. Well branched 4"-6" 25c. Smaller branched 3"-4" 17c



# CACTI RELATED TO Mamillarias



## ESCOBARIA TUBERULOSA

The bright pink striped flowers appear in early spring at the top of the plant. A showy plant when in bloom and those mature plants we offer are sure to flower. Nice clusters 35c. 3"-4" flowering plants 18c



## TEXAS HEDGEHOG CACTUS *Echinomastus intertextus*

This most charming variety blooms very early in February, the large pale pink blossoms lasting several days. Every one will flower for they are large mature plants. Keep almost dry in sandy soil. Fine mature plants. 2½"-3½" 23c

## BUTTER PINCUSHION *Dolichothelae longimamma*

The lovely canary yellow blossoms—almost as large as the plants, appear in early summer. Differing from other Mamillarias they have very long, soft and fleshy nipples tipped with a cluster of weak spines. The branches, oddly enough, form on the tips of these nipples. Nice plants, 26c.

## DOLICHOTHELE SPAERICA

Very large yellow blossoms with shorter, more compact nipples; the many branches eventually forming a large multi-headed specimen. 3½"-4" 22c.

## COCHEMIEA POSELGERI

A very rare plant with large tubular scarlet blossoms. 4"-6" 40c.

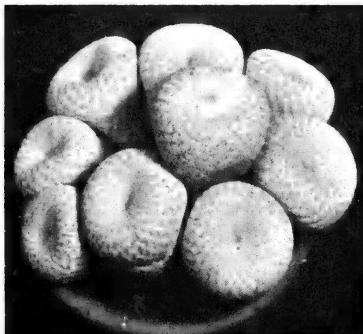
THERE are several groups of interesting cacti more or less closely related to the Pincushions but differing slightly in their flowers, fruits, seeds or in the type of nipples borne. All of them bear nipples and in general have the appearance of Mamillarias, some bearing lovely blossoms considerably larger than the true Mamillarias. They thrive under the same treatment, liking a sandy but fertile soil, and when they are growing, i.e., forming new nipples, they will appreciate being kept just moist. Echinomastus, however, should be kept drier than other genera. Some have chunky tap-roots as many species of Coryphantha. The genera are found from Montana to Mexico a few being winter hardy in the coldest climates if protected by a snow-blanket. Some are amongst our most beautiful plants.

**CRIMSON LAKE PINCUSHION.** *Neolloydia texensis*. The lovely and brilliant blossoms of this attractive plant are borne over quite a long period in spring and summer, the blossoms each lasting some time. Opened fully in the sunlight they always attract comment from visitors. The plants are generally clustered with one or two taller stems with youngsters about their base. Clusters 35c. Fine mature blooming plants 20c.

**NEOLLOYDIA PILISPINA.** An odd species with spines covered with a fine pubescence. Flowers pale yellow. 1"-1½" 25c.

## PRAIRIE GOLD *Coryphantha echinus*

This little beauty has lovely golden blossoms that appear early in the spring. The blossoms are an inch or more in diameter and cheerful in appearance coming from such an armored little plant. It is not hard to handle though it is so spiny. Each 18c.



## BUTTON CACTUS *Epithelantha micromeris*

Really so curious in appearance as not to appear alive at all. The spines are microscopic and completely cover the plants so that it looks like a small white rock or a puff of dust in texture. Pretty pink flowers appear in spring followed by bright red berries in summer. Found in northern Mexico and Texas. A dainty and exceedingly attractive plant. A few clusters 55c. Mature flowering size ¾"-1¼" 19c

## NIPPLE CACTI

### *Coryphantha*

A large flowered group of handsome cacti, some with blossoms as large as the plant.

## CORYPHANTHA COMPACATA. 1" 20c.

## CORYPHANTHA ERECTA

A beautiful species with yellow spines, the nipples arranged in regular slow spirals. We have some exceptionally fine specimen sizes of this rare variety 6"-8" in height. A real addition to your collection! Each 35c.

## CORYPHANTHA CLAVA. 1"

each 22c.

## AT LEFT

## RIBBON CACTUS *Tephrocactus Turpinii*

A lovely white ribbon spined variety. 2" egg-shaped joints with wide parchment-white curling spines. A novelty of the first water formerly listed at \$1 per joint. Very easy to grow. Specimens 75c. De Luxe \$1. Nice plants 50c.

## THE EASIEST HOUSE PLANTS TO KEEP Dear Mr. Johnson:

The last shipment arrived today in good condition. I am enclosing a picture of my cactus collection, which is composed of fifty-five different varieties. The cactus received from your gardens are exceptionally nice and the free plants were greatly appreciated.

JANE ROUSH,  
2946 Clime Road, Columbus, Ohio.



## WAIT-A-BIT

This charming easily grown *Anacanthocactus* Scheeri freely bears its chocolate-colored blossoms in February and March. Don't fail to have it! Giants 4"-6" 35c. Flowering size 2½"-3"

## CORYPHANTHA

*Coryphantha asterias*. Bears beautiful white blossoms. A rare variety 1" 25c.

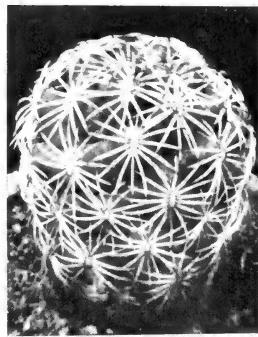
*Coryphantha radians*. A charming variety with handsome yellow blossoms. 2"-4" 25c.

*Coryphantha macromeris*. Beautiful blossoms of richest purple, opening widely in the sunlight. Blooming size 2"-4" 23c.

*Coryphantha humilis*. Yellow blossoms on an attractive spined plant. 1½" each 25c.

*Coryphantha elephantidens*. An extremely rare species with gorgeous deep pink blossoms. 1" 40c.

*Coryphantha rhipidacantha*. Tall growing species. 1½" 25c.



## COMB CACTUS

The large yellow blossoms of *Coryphantha clava* open irregularly and all our plants are fully mature blooming size! This little plant likes a sunny, airy position. Fine flowering plants 1½"-2" only 18c



## PRairie PINCUSHION

*Escobaria dasycantha*. The Prairie Pincushion is a dainty, pink flowered cactus with white spines often tipped with red. The spines though harmless completely cover the plant. It bears its neat little clusters generally with one tall stem and grows shiny green flowers in the spring followed by red berries in the summer. Specimen clusters, three or more branches 35c. Fine mature blooming plants 2½"-4" only 25c



# An Intriguing Family the CEREUS



## QUEEN OF THE NIGHT *Selenicereus Macdonaldiae*

Huge snowy white blossoms in a chalice of golden sepals and always more than 12" across! Very easy to grow the slender flexible stems being easily coiled on 2 stakes driven in the pot. Blooms best under the shade of a tree outside during the summer. Fertilize with Cactus Food to keep rootbound in 4"-6" pots. Blooming size 3 ft.-4 ft.

**25c**



## Rattail Cactus

An old favorite with hanging, tail-like stems and brilliant pink blossoms in late spring. A native of Mexico where it grows up to 10' tall. Give it a light, airy place and half shade. A vigorous grower it needs fertile soil. Grafted 6"-7"

**50c**

**CRESTED RATTAIL.** A rare form with wide, fan-shaped crests. A prided collectors item. Grafted. **\$1.00 each.**

**APOROCACTUS CONZATTII.** A new Rattail with orange tinted flowers. **75c each.**

**Apocactus flagiformis.** A vigorous grower. Rare. **\$1.00.**

**Apocactus leptophis.** Slim, whip-like stems. **75c.**

## OUR CACTI IN JAVA

This interesting photo was sent in by Mr. Taka-gawa of Semarang, Java just before Pearl Harbor. The name and the place explain themselves. The plants are Old Man Cacti. At left C. chrysacanthus, C. salvadorensis, E. Dauwitzii, C. hapa-canthus, C. senilis, E. sericeata, E. lanata, E. sericeata.



## PEANUT CACTUS *Chamaecereus Sylvvestrii*

One of the easiest to grow and most attractive of all cacti. Will often produce 15-20 flowers in a season. Should be in every collection. Native to Argentina. Likes moisture. Clusters with several arms. 35c. Nice plants begin:

**19c**

## CARNEGIEA GIGANTEA

The Arizona Giant Cactus is one of the wonders of our country. These immense columns may reach 40" in height and no more wondrous sight can be imagined than the forests of these below Tucson. They like a fertile, sandy soil and a light airy situation. 2"-40c. Small **25c.**

## ACANTHOCEREUS PENTAGONUS

A night flowering cereus from Texas with charming white 6" blossoms. Very easy to grow liking a rich soil and plenty of water. 6" each **25c.**



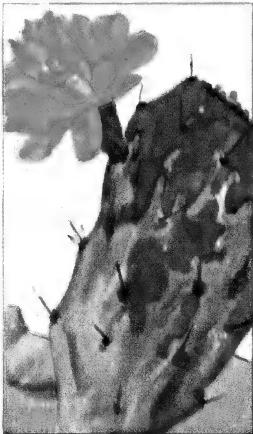
## MYRTLE CACTUS *Myrtillocactus*

These start with a single trunk branching soon with short plump arms and but few stubby spines. Their novel method of branching in an umbrella-like manner makes them very unique. Very easy to grow and like fertile soil.

**BLUE MYRTLE CACTUS.** M. geometrizans. Brilliant blue stems. A very attractive and easily grown plant. 1"-1½" **17c.**

**Myrtillocactus cochai.** Rare. 8"-10" **75c.**

**Myrtillocactus Schenckii.** 6" **35c.**



## JOSEPH'S COAT

*Optunia monacantha variegata*

Handsome variegated with white, yellow, green and pink this great favorite is easy to grow and a good specimen or as a pot plant in choice collections. The yellow blossoms are quite pretty and even the seed pods are variegated. Likes a sandy fertile soil with plenty of water and Cactus Food. A sprinkling of dried cow manure added to soil is beneficial. 4"-6" **25c**



## SUN CEREUS

*Heliocephalus*

This is one of the most brilliant big sun flowers. 5" blossoms glowing vivid purple shading to glorious red a combination of color indescribably beautiful. A parent most hybrid Orchid Cacti. Give it little shade and a light sandy soil with some leafmold and plenty of water during the summer. **50c and.....35c**

## CEPHALOCEREUS OLD MAN CACTI

These unusually interesting tree Cacti are found all the way from Florida to Argentina. They vary greatly in habit, some being only a yard high, others reaching skyward 50 ft. Some are simple columns (C. senilis) while others are much branched. All of them are characterized by having more or less developed pseudoeuphyllums or "heads" of silky white hair from which the flowers emerge. Interestingly the heads are generally produced on the side away from the sun. This hairy head may be very pronounced with long, silky tresses in thick, spectacular mats. They are generally considered as amongst the most fascinating plants of the cactus world.

**CULTURE.** They grow readily with quite ordinary care, preferring a sunny position in the window and a light soil. For the expert who wants to grow them to perfection I offer the following suggestions. They need a soil of 1 part sand, 1 part loam, 1 part peat moss, 1 part charcoal and a sprinkling of pea sized crushed brick or charcoal to keep it "sweet". Since they are often found on limestone formations I have had old lime mortar or plaster helpful in one third part. After the plants are thoroughly established they will appreciate feedings of our Cactus Food.

**OLD MAN CACTUS.** *Cephalocereus senilis.*

A very popular plant with long white hair completely covering it from top to ground. Give it a sandy soil, fertile and with powdered egg shells or lime added. 1¼"-1½" **35c.** 1" **25c.**

**WOOLY TORCH CACTUS.** *Cephalocereus Palmeri.* This handsome species is one of the best and most easily grown. It begins to get plenty of snowy, wispy hair in the areoles when less than 6" high the plant body becoming a beautiful powdery blue. Give it generous treatment using the suggested soil and feeding regularly with our Cactus Food every 2 weeks during the summer months. It comes from Mexico and is comparatively scarce. The large flowers are a handsome bright pink followed by beautiful crimson fruits. **25c.**

**CEPHALOCEREUS BROOKSIANUS.** A very pretty dwarf variety from southern Florida mature at 3 ft. tall. **1" 35c.**

**CEPHALOCEREUS DEERINGI.** A rare Florida species. **1" 40c.**

# CULTURE OF CERCI



## GRAFTED PEANUT CACTUS

Grafted on the Snake Cactus this makes a unique plant quickly growing into a valuable specimen. Nice 5<sup>1/2"-7"</sup> 50c single stemmed ready to branch

Cerci are, with few exceptions, vigorous, strong growers of easy culture presenting no particular problems to the cultivator. They are mostly native to the desert and semi-desert regions of the world, semi-arid regions like the most popular types such as the Peruvian Apple, Cactus Pincers, Blister Cactus, Cereus, Torch Cacti, Old Man Cacti, Cleistocactus, Giant Cereus, etc., enjoy fairly generous treatment. They are vigorous rooting plants and I have found they thrive splendidly in a porous soil of one part sand, 1/2 part leafmold or no leafmold at all. While growing they are greatly helped by regular feedings every 2 weeks with our Cactus Food. They will grow almost anywhere but prefer a sunny position in the window garden with plenty of fresh air which all plants enjoy. In summer when they can be put out doors in a hot, sunny position such as under the trees near the house roundabout a cactus! Protect during the first 2 weeks until you can prevent browning; they will show their appreciation by extraordinary fine, matured growth!

Practically all cacti are happiest in medium sized pots. For though in the wilds their roots may ramble over considerable distances tracing out the pockets of humus laden soil, yet in cultivation large pots for small plants are generally better. A porous soil which may mean pecky yellow plants. It is interesting to note that the larger feeding pots are always found clinging to the porous air-filled sides of the pots and not in the middle of the ball. We have found 3<sup>1/2"-4"</sup> or 5" pots quite ample for our plants up to 15 inches tall. Potted thus with plenty of Cactus Food when the pots are full of roots, they will make the most satisfactory growth with very little danger of overwatering. Keep the surface occasionally stirred up with a pencil to a depth of 3/4".

## TRIXANTHOCEREUS BLOSSFELDIIUM A new genus

This new and extremely rare plant was recently found in Peru. It forms a most attractive specimen branching from the base, the stems upright and near the top bearing a cophialium of glossy, red and black bristles intertwined with a wool of white which the flowers are borne. It grows readily and likes a sandy, fertile soil with some leafmold. A few plants now 3<sup>1/2"-4"</sup> after June 1<sup>1/2"-2"</sup> 23c.



## RAINBOW CACTUS

This bright flowered variety I consider one of our choice plants because of the sureness with which it flowers and its long blooming season. Plants may be found in flower practically all summer long. Plants often grow more than twice as high as wide in diameter, the blossoms being larger than the plants that bear them. It likes a rich soil but it should be sandy for good drainage. Give it a long rest in a cool place during winter. Nice plants ..... 20c  
Giant blooming size ..... 35c

## CEPHALOCEREUS HOPPENSTEUDTII

Long one of the choicest and most sought after of the Old Men. Long, bristly, white hair. 2<sup>1/2"-2 1/2"</sup> 40c.

**CEPHALOCEREUS SARTORII-ANUS.** This handsome species has masses of snowy wool at flowering time and bright blue stems. Nice 1<sup>1/2"-2"</sup> 25c.

**CEPHALOCEREUS CATING-COLA.** A rare species from Brazil. 1<sup>1/2"-2"</sup> 25c.

**CEPHALOCEREUS GOUNELLI.** A rare blue stemmed species. 3<sup>1/2"-4"</sup> 40c.

**Cephalocereus polylophus.** A majestic species. 3<sup>1/2"-5"</sup> 40c.

**Cephalocereus hapalacanthus.** A rare Brazilian species. 6" 40c.  
At left

## GOLDEN TORCH CACTUS

### CEPHALOCEREUS CHRYSACANTHUS

Lovely golden hair 20c.

## GOLDEN TORCH CACTUS

### CEPHALOCEREUS CHRYSACANTHUS

Lovely golden hair 20c.

This lovely Old Man has bright yellow stems and much woolly vegetation at all ages; the young plants being particularly bright. With maturity the plant is magnificent, the blue of the stately column showing through the yellow spines and wool while the snowy cephalium is like masses of fabric. A native of Mexico it grows easily and is much recommended. 1<sup>1/2"-2 1/2"</sup> 20c

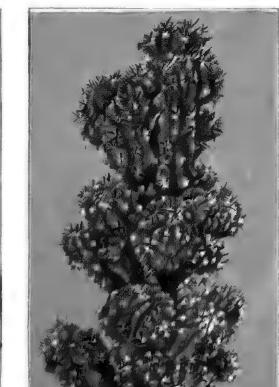
## CERCI HYBRIDUS MONSTRUOSUS

A strange and most unusual cactus attracting the attention of all who see it. They grow more upright than C. peruvianus monstruosus and soon form most unusual specimens. As easy to grow as any cactus and never lose their peculiar manner of growth. Fine plants 1<sup>1/2"-3"</sup> 30c

## PAPER SPINED OPUNTIA

Tephrocactus articulatus

One of the rarest and most peculiar of all cacti. Instead of spines they grow long white paper ribands! They grow in the mountains of Western Argentina and form great white mats. Very easy to grow with ordinary care treatment 35c

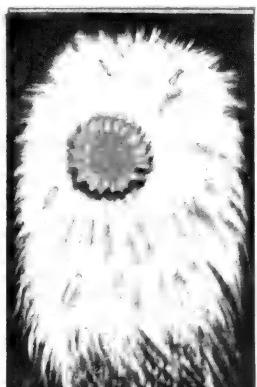


## Special Collection N10 The 4 cacti each illustrated below only... 95c

### OLD MAN CACTUS

Cephalocereus senilis

The long snowy white hair of this venerable cactus makes it one of the most sought after. No collection should be without it. My plants are clean and snowy white with many healthy roots. 1<sup>1/2"-1 1/2"</sup> 35c.  
Nice 1<sup>1/2"-2"</sup> plants only 25c



### MOON CACTUS

Eriogonum Jussieui

These are very free growing cacti and flower most freely the 8" wide snowy blossoms opening in the evening and remaining open until late morning. Easy to grow liking a rich soil and plenty of water and some feeding during the summer. 2<sup>1/2"-4"</sup> 25c





### OLD MAN CACTUS

Popular and easily grown the Old Man Cactus grows in vast forests on the dry hillsides of Mexico where it is called "Cabeza de Viejo" or "Old Man's Head." It is the pride of every amateur collection because of its snowy white hair. Grows slowly and may reach 20 feet in 100 years. Splendid 8"-12" specimens \$2.50-\$5.00. 12"-14" 35c. Fine 1" snowy white specimens.

25c

### CLEISTOCACTUS

A very popular genus containing some of our prettiest and most consistently flowering species particularly adapted to growing in pots and for small collections. Their general habit of growth is well shown in the photograph at the right. They enjoy a fertile soil with plenty of sand and leafmold and particularly appreciate regular feedings during the summer with our Cactus Food. In the window garden they like a cool place during the winter to secure a long rest so they may bloom their best for you when summer comes.

**SILVER TORCH.** See photo at right.

**SCARLET BUGLER.** Cleistocactus Baumanni. I consider this one of our most satisfactory cacti. With us it flowers all summer and into late fall without any particular attention. The brilliant red flowers are 2" long and tubular lasting for many days. Each stem will have many buds in all stages from those showing pink through the spines to those unfolding. The flowers are always followed by pink, cherry-like fruit. With age the plants have many cane-like stems; the flowers being produced on the upper portions.

**Special Flowering size, 8"..... 35c each  
12" flowering specimens..... 50c each  
Fine 2" to 3" plants only..... 18c each**

**Cleistocactus areolatus.** Tall grow. 6" 40c  
**Cleistocactus Baumannii aureispinus..... 35c**  
**Cleistocactus Herzogianus. Rare..... 50c**  
**Cleistocactus Morawetzianus..... 75c**

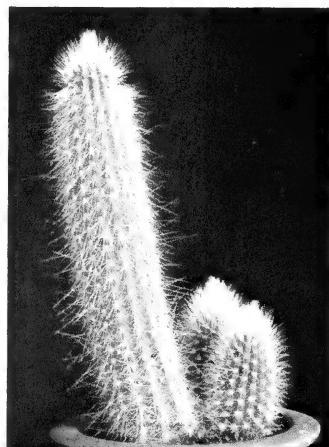
### GLASS CACTUS

*Cleistocactus hyalacanthus*

This handsome snowy spined variety is one of the finest novelties yet introduced. The beautiful glassy, white spines are as thick as felt. Only a few small plants for the collector. 3/4" to 1" 40c.

### DENDROCEREUS NUDIFLORUS

A rare genus from Cuba growing into a tall, branched tree. 4"-5" 50c.



**SILVER TORCH**  
*Cleistocactus Strausii*

This lovely Cereus has clustered slender columns clothed glossy, silvery spines, soft and harmless. Quantities of brilliant red blossoms cluster thickly on the sunny side of the stem. Very easy to grow. Handsome 12" flowering specimens. \$1.00. Nice 1 1/2"-2" plants.

21c

### 5 OLD MEN CACTI

White haired species

Collection N11  
**Old Man Cactus, Peruvian Old  
Man, Old Man Opuntia,  
Powder Puff, Grizzly Bear..... \$1.17**

### ENJOYS SUCCULENT BOOK

Dear Mr. Johnson:

The plants arrived on Xmas morning in fine shape and all are doing well. Please send me "Succulents for the Amateur" as I want to read more about them. It is a pleasure to become better acquainted with them. I think I have a new species of Euphorbia with leaves I have not seen anything like them. They are made from bits of limestone and sandstone I pick up on various trips. The largest is of limestone from West Virginia, another from under Niagara Falls where we were getting water. They are full of crystals or fossils or other interest. The one made from shells was brought to me by a friend returned from Florida. They are put together with cement on the flat solid bottom turned up at the sides like a saucer to catch any water draining from them. Since they are put together loosely any excess water drains away rapidly. I make them in winter when bad weather keeps me indoors.

PAUL W. BORNEMAN,  
658 W. Pipe St.,  
Clarksburg, West Virginia.

— 14 —

### CEREUS

Most of the cacti formerly put in this genus by botanists have in recent years been removed to new genera listed in this catalog. The few species left are quite interesting and, when well grown, beautiful plants with blue to almost purple-black stems and charming, large white blossoms.

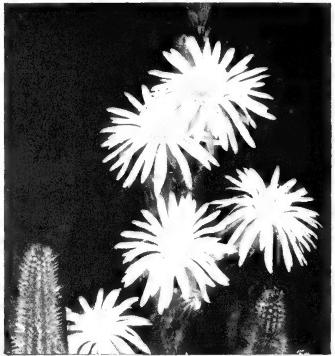
**BLACK CEREUS.** (*C. coeruleocephala melanotrichus*) A beautiful species the stems quite dark when young but when a few inches high become bright blue with black spines making an arresting specimen. From Argentina. Likes a fair-sized pot and a rich soil. 1 1/2"-2" 19c.

**CEREUS AZUREUS.** With closer set black spines and purple blue stem with age. Handsome as a specimen and very free in flower. 1"-1 1/2" 25c.

### HARRISIA

These are interesting and extremely floriferous cacti from the Caribbean Islands and Florida. They grow exceedingly well and form small, tree-like, much-branched plants. Flowers white, nocturnal.

**PUPPY TAIL.** *Harrisia eriophora*. Often used as "tails" in animal pots. Very quick growing and free flowering. Flowers like a white lily. 1sc. *H. gracilis* 20c.



### SNAKE CACTUS

This handsome *Nicotrocereus* must be in every collection. A prime favorite of mine with lovely fluted green stems. The young spines are bright red. Flowers up and down the stems in greatest profusion, the snowy white blossoms deliciously fragrant! 10"-12" each 50c. 15"-18" 75c. Fine 4"-5" 22c.

### MOON CACTI

*Eriocereus*

These are great favorites with their profusion of showy blossoms and attractive, yellowish crimson fruits. Pot in 5" pots and well fed during their summer growth they rarely fail to flower. Like many cacti they flower most profusely when pot bound but regularly. They will take the full summer sun.

**ERIOCEREUS BONPLANDII.** One of the very freest flowering cacti, our specimen is seldom without blossoms except in the coldest winter months. The lovely, snowy, full-petaled flowers are 8" in diameter followed by handsome scarlet fruits. The stems are not spiny and keep flowering for years. Don't fail to have this one. Put outdoors in partial shade during summer for best results. 2"-4" each 18c.

**PINK MOON CACTUS.** *Eriocereus Regelii*. This charming variety has quantities of large pink blossoms. A very worthwhile plant and does not grow too large. Only recently introduced into gardens. 2 1/2"-4" each 20c.

**ERIOCEREUS GUELICHII.** Large white flowers. 25c.

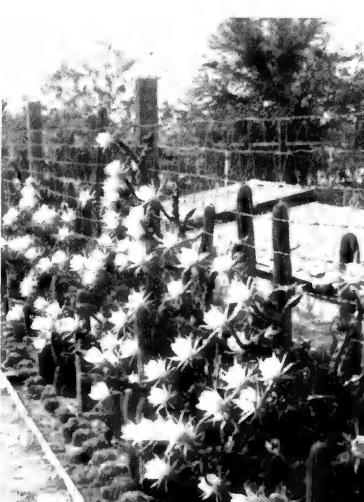
**ERIOCEREUS TORTUOSUS.** A very spiny variety but with very pretty ruffled blossoms. Will flower when a foot high. 3"-5" 25c.

**ERIOCEREUS JUSBERTII.** One of the finest. 25c.

### A MOON CACTUS

*Eriocereus Martini*

This splendid free flowering variety blooms all summer long and each flower is followed by 1 1/2" crimson long and each flower is followed by 1 1/2" crimson fruit, it grows freely like a rich light soil and feedings twice a week in sun. The photograph was taken of a fence in our garden and 127 flowers were open! Nice 12 inch plants from flowering branches 50c. 22"-4" each. 18c.



## HAAGEOCEREUS FOX TAIL CACTUS

A handsome genus from the high dry western mountains of Peru. The plants are a rich golden or rufous color, the spines in dense bristly clusters. They like a quite sandy soil and not too much water. Feed them making their growth in early summer.

**HAAGEOCEREUS CHOSICENSESIS.** Lovely red-gold spines. This rare plant is very choice and is found growing on the barren rocky slopes above the deep valleys of the western Cordillera. Each **35c.**

**HAAGEOCEREUS PACALOAENSIS.** A handsome species with rich, bright golden yellow spines thickly clothing even the smallest plants. Use a quite sandy soil.  $1\frac{1}{2}''-2''$  each **35c.**

## FLOWERING TREE CACTI PIPTANTHOCEREUS

These popular flowering and fruiting tree cacti are native to the plains and valleys of Brazil and Argentina. They seek the fairly well-watered and fertile regions where they make splendid well-branched trees. In the window garden they do not grow too large but may be depended upon to give a glorious look to your collection. There are many kinds of them varying in the size, color and size of flower and in their delectable fruits which are full of crystalline, snowy pulp, sweet and melting to the taste. Give them a rich soil and plenty of water.

**PIPTANTHOCEREUS ALACRIPORTANUS.** Beautiful, white, lily-like blossoms. Rapid grower with large red "apples."  $1\frac{1}{2}''-2\frac{1}{2}''$  **18c.**



**DAYAM'S TREE CACTUS**  
*Piptanthocereus Dayami*

One of the best fruiting and flowering kinds. Bears big tomato-red fruits that are quite fragrant and delicious to eat particularly if left in the refrigerator over night. The fruits are completely spineless and smooth peeling like an orange.  $1\frac{1}{2}''-2\frac{1}{2}''$  **20c.**

**PIPTANTHOCEREUS CAESIUS.** One of the most beautiful of all with stately blue columns margined with clusters of golden yellow spines.  $15''$  cuttings **\$2.00.**  $30''$  cuttings. F.O.B. Hynes **\$3.50.**

**PIPTANTHOCEREUS GONIANTHUS.** See photo, page 21. An extremely free flowering and fruiting variety. Almost spineless blue stems.  $18''-24''$  Cuttings, F.O.B. **\$1.25.**  $30''-36''$  Cuttings, F.O.B. Hynes **\$2.50.**  $22''-3''$  **19c.**

**PIPTANTHOCEREUS HEXAGONUS.** Tall with red flowers.  $20c.$

**PIPTANTHOCEREUS HORIBARBUS.** A huge tree type from Bahia, Brazil. **20c.**

**PIPTANTHOCEREUS PERUVIANUS.** This is the true species quite different than the one usually sold. I have seen a single specimen bear 5000-67 flowers by actual count in one summer. Beautiful, fat green plants with rusty brown bristles. Fruit yellow and round. Each **20c.**

Piptanthocereus peruvianus var. *reclinatus*. **20c.**

**PIPTANTHOCEREUS VARIABILIS.** A creeping species with charming flowers. Very rare. **18c.**

**PIPTANTHOCEREUS OBTUSUS.** Very rare. **6"** **50c.**

## FANCIERS CEREUS COLLECTION

Collection N12

10 Different Genera of the Cereus Family.  
Labeled.....

**\$1.50**

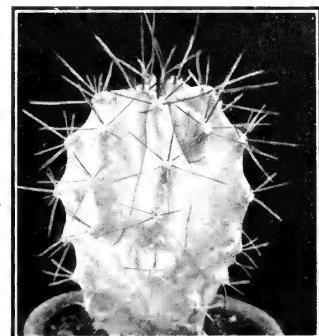


**A CACTUS GARDEN IS ENJOYED EVERY DAY IN THE YEAR**

The charming window garden and interior here shown is in the pleasant home of lovely Mrs. Herbert Richards of 1209 South Grand, Sedalia, Missouri. The keynote is simplicity with plenty of interest and it does not take a discerning person to know that friendship is valued here. The window shelves with their freight of gaily colored pots give an expressive and fresh color note. The odd geometric shapes of the cacti silhouetted against the window light show their distinctive character. Such fascinating effects may be had in any apartment and without the muss and clutter of more demanding plants. In their bewildering variety they lend themselves perfectly to the decorative arts and are in complete keeping with the furniture of any room. Easily planted and cared for they are at home in every part of our country and no expert is needed to keep them in good health. You may always safely leave them to themselves while on a trip or vacation. Over 75,000 of our friends have found them a fascinating hobby.

**MACHAEROCEREUS ERUCA.** A strange, creeping, heavily armored species.  $6''-8''$  **75c.**

**MACHAEROCEREUS GUMMOSUS.**  $4''-6''$  **50c.**



**POWDER BLUE CEREUS**  
*Lemaireocereus pruinosus*

See page 16 for other *Lemaireocereus*.  
A very beautiful species uniquely covered with a blue-white bloom and charming during every stage of its growth. Every collection should have one. Each columnar plant should look contrasting spines. The photo shows their powdered appearance. In Mexico the plants form majestic specimens and the fruits are delicious. Likes a fertile soil and to be kept moist.  $1''-1\frac{1}{2}''$  each. **20c.**

## HYLOCEREUS

Night Blooming Cereus

A glorious group of spectacular night flowering cacti. The huge, snow-white flowers open in the evening closing withering in the morning. They are native to the jungles of Central America. Their stems are 3-cornered except when young. Give them a rich soil, keep moist.

**HONOLULU QUEEN CACTUS** (*Hylocereus undatus*). This well-known variety has huge  $12''$  blossoms white inside, golden yellow on the outside. A vigorous grower enjoying rich soil and if possible to be put out under a tree in the summer months. **50c.**

*Hylocereus extensis*. **50c.** *H. bronxensis* **75c.** *H. napoleonis* **50c.** *H. costaricensis* **35c.**

## QUEEN OF THE NIGHT

*Selenicereus*

These spectacular beauties have the largest flowers in the cactus family, some reaching more than 12" across. They occur in the jungles of Central America, opening their glorious flowers along with their fellow epiphytes, the Orchids. Give them some shade and a rich light soil and never allow them to get fully dry. Vigorous healthy growers enjoying it outside beneath a tree in summer.

**QUEEN OF THE NIGHT.** See page 12.

**PRINCESS OF THE NIGHT.** *Selenicereus pteranthus*. A very free flowering variety with immense  $12''$  blossoms snowy white with rich golden yellow sepals. One of the easiest to flower of all. **35c.**

*Selenicereus viridicarpus*. Charming pale pink flowers. Very free in flowering. **20c.** *Selenicereus spinulosus*. **35c.** *S. Werklei*. **35c.** *S. hamatus*. **35c.**

## PERUVIAN OLD MAN

*Euphorbia lanata*

This lovely, white-haired Old Man comes from the high mountains of Peru and is one of my best introductions in recent years. It is a particularly easy-to-grow species and grows quite rapidly. I now have a new and very promising lot of them. They appreciate a fertile, sandy soil and some leaf mold if you have it. They like sun or part shade equally well but we shade our plants from the direct sun rays as we do for all high mountain plants.  $1''-1\frac{1}{2}''$  **20c.**





**PEANUT CACTUS PINCUSHION**  
Nice plants. 19c.

**BIRD'S NEST**

**DRAGON FLOWER**  
Yellow spines. 19c.  
Curious. 15c.

**XMAS CHEER**  
Red Tipped. 15c.

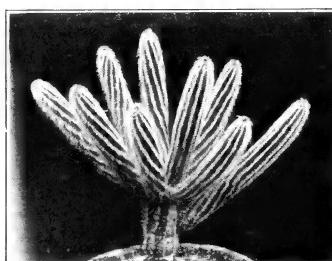
**FLOWERING PINCUSHION**  
Handsome carmine flowers. 21c.

**COLLECTION N 14**—For gifts to your friends they are unique and most attractive. You will also enjoy planting this collection in a shallow pot or bowl for the breakfast nook. Cacti and succulents thrive in gas heated rooms for they are not affected by fumes or dry heat as other plants are. They grow easily with little care. With every order is my leaflet "Culture of Cacti"..... **90c**

#### JOHNSON'S CACTUS SOIL CONDITIONER

Helps keep Cacti in good health by supplying minerals ordinary garden soils often lack. Desert soils are often high in mineral content. A spoonful of my Conditioner will often bring a sickly plant back to health.

Small carton—10 oz. Postpaid **60c**.  
Large carton—2 lbs. 8 oz. Postpaid **\$1.**



**LAMB'S TAIL**  
*Wilcoxia senilis*

This dwarf cereus bears wool on its finger sized branches and during the early summer, quantities of starshaped, charming pink blossoms. The one illustrated bore 35, lasting some weeks. Grafted on Princess of the Night on which they grow freely, making long lived specimens.

**Single stem grafts ready to branch 50c.**

#### LEMAIREOCEREUS

These upright Cerei branch from the base and in Mexico where they are found wild often grow to 15 ft. though some may reach 30 ft. In the window garden they will not overgrow only with generous treatment will they exceed a few inches in height. Many have handsome powdered blue-white stems. The flowers, arranged densely along the ridges, are pink or white, very attractive. The fruits, followed by round, red, heavily spined fruits of the easiest culture like a sandy fertile soil and a fair amount of moisture.

**POWDER BLUE CEREUS.** See page 15.

**ARIZONA ORGAN CACTUS.** *Lemaireocereus Thurberi*. This is the famed cactus for which the Organ Pipe National Monument in southern Arizona was named. I have some beautiful plants, bright green with dark red spines which will be ready in June 1942. Don't fail to order this handsome plant. **18c.**

**SILVER CANE.** *Lemaireocereus Benneckii*. One of the most beautiful of all with frosted white canes, perhaps the whitest powdered of all Cacti. A choice collector's plant and very rare and sought after. Fine, white plants 4"-6" each **75c.**



#### MEXICAN SERAPE CACTUS

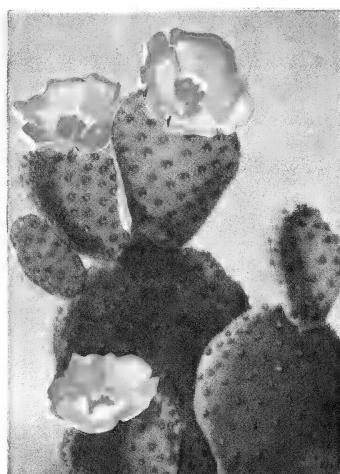
##### *Lemaireocereus montanus*

A colorful cactus, some being yellow spined, some red spined, others almost black. Easy to grow and one that every collection should have. 1"-2" **17c.**

#### CANDELABRA CACTUS

*Lemaireocereus Weberi*. A gigantic cactus from Mexico forming a huge, candelabra-shaped crown. An easily grown and very attractive species. Makes a very "cactus" specimen. 1"-2" **17c.**

*Lemaireocereus chichipe*. Rare and slow grower. 5"-6" **40c.**



**BEAVER TAIL**

*Opuntia basilaris*

The Beaver Tail is found all over Southern California where in late spring its glorious rose-pink blossoms form welcome spots of color. The 3"-4" flowers look like moss roses, each glistening petal like crumpled Chinese silk.

**17c**

*Lemaireocereus Dumortieri*. 6"-8" **75c.**

*Lemaireocereus deficiens*. 6" **50c.**

*Lemaireocereus Treleasei*. 6" **35c.**

#### WEBEROCEREUS BOLLEYI

A curious epiphytic plant with very slender, trailing stems with air roots. We imported it from Costa Rica where it grows half shaded in the forest. Grows quickly and is interesting with its climbing pencil-like stems and pink blossoms. 4"-6" each **25c.**

#### CACTUS FOOD

Stubborn cactus plants often yield to its mild persuasion. 114 grams. **50c.**  
Buy it in bulk, **15 oz.** **\$1.00**

At Lett.

#### PERUVIAN APPLE CACTUS

##### *Pitcairnia hybrida*

Glorious flowers and delicious, big, red apple-like fruits! Best you have ever tasted! Forms a large branched specimen more quickly than any other cactus. Likes a rich soil and plenty of water.

9"-12" Seedlings each **50c.**

Flowering size mature rooted cuttings. 12"-16" **\$1.**  
Minimum young plants.

**17c**

These huge tree cacti may reach 40 ft. or 50 ft. in height and are a grand sight. Some of the largest are found in Lower California where their huge columns tower above the low chaparral like Gulliver among the Lilliputians.

#### GIANT CEREUS

**PACHYCEREUS PECTEN-ABORIGINUM.** *Indian Comb*. This fine species makes a splendid window garden plant with bronze green stems. The dried spiny fruits are used as combs. 1"-2" **15c.**

**PACHYCEREUS COLUMNA-TRAJANI.** *Trajan's Column*. A majestic species of great beauty. Rare 1 1/4"-1 1/2" **25c.**

**PACHYCEREUS PRINGLEI.** 4"-5" **50c.**

**PACHYCEREUS CHRYSOMALLUS.** A large and very rare species. 2"-3" **40c.**

**ORGAN PIPE.** *Pachycereus marginatus*. 1"-2" **20c.**

#### BRAZILIAN ROCK CACTI

*Monvillea*

Flower very easily and freely. The white blossoms are found all summer long, our plants seldom being without them. The smooth fruits are almost 2" in diameter, brilliant red in color. A most satisfactory and recommended group.

**BRAZILIAN ROCK CACTUS.** *Monvillea Cavendishii*. Charming blossoms, the plant somewhat like the Snake Cactus. 2"-3" **19c.**

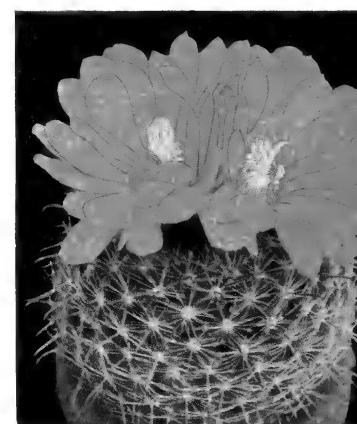
**MONVILLEA MARITIMA.** Very free in flower, full grown plants 12"-18" tall. Very satisfactory. 12" blooming plants **50c.** 2"-4" **17c.**

#### OLD MAN OF THE MOUNTAIN

*Oreocereus*

The Mountain Old Men are beautiful with their long, silky white hair. As they reach maturity the golden brown of the underlying spines is evident. With great age they may reach a yard in height. They are found in the high mountains of the Andes and succeed perfectly in a porous, loamy soil with a good sprinkling of sand and leafmold.

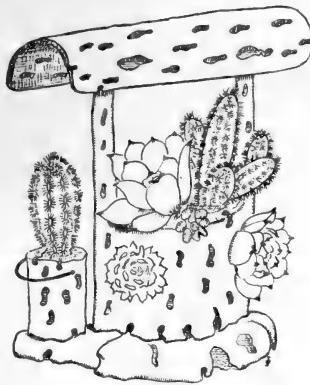
**OLD MAN OF THE MOUNTAIN.** *Oreocereus Trollii*. The most popular species with long white hair. Very rare now. 1 1/4"-1 1/2" **35c.**



#### PARODIA MUTABILIS. Nat. size.

The Parodias are all lovely plants with beautiful and bright blossoms. This one bears red and yellow hooked spines beautifully arranged in spirals and the most charming orange blossoms. Grows easily.

**30c**

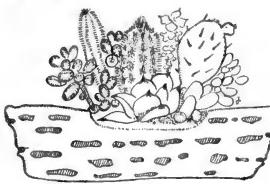


## Lacewood Cactus Pots

Made from the wood of the

## JUMPING CHOLLA CACTUS

(Pronounced "Choya")



A black and white line drawing of a small, rectangular terrarium or vase. The container has a textured surface with several small, irregular holes. It is filled with soil and various small plants, including what look like succulents and delicate flowers.

## LACEWOOD POTS

These pots are 2 1/4" tall and are planted with four colorful Cacti and Succulents making them most attractive in the window garden or on a desk, sideboard or mantelpiece. Plant ed and postpaid.....**60c**

## UNPLANTED POTS

**WISHING WELL**

<b>2 1/2" 5 for.....</b>	<b>90c</b>
<b>6" logs, 4 for.....</b>	<b>95c</b>
<b>8" logs, 3 for.....</b>	<b>75c</b>
<b>Wishing Well.....</b>	<b>\$1.10</b>

## SOME RARE CACTI SEEDS

**Easy and interesting to grow anywhere.** **Full instructions on planting with each order.**

<i>Acanthocactus violaceum</i>	10c	<i>Notocactus aprius</i>	10c
<i>Astronium</i> Giant Cereus	5c	" <i>Leninghausii</i>	10c
Bishop's Cap	10c	" <i>submammulosus</i>	5c
<i>Cephalocheirus chrysacanthus</i>	10c	Old Man Cactus	10c
" <i>columna Trajani</i>	10c	Peruvian Apple Cactus	10c
" <i>Palmieri</i>	10c	Powder Blue Cereus	10c
" <i>spinosus</i>	10c	Potter's Pipe	10c
<i>Cleistocactus Baumgartenii</i>	5c	Prairie Pincushion	10c
" <i>Strausii</i>	5c	Rainbow Cactus	10c
Coral Cactus	5c	Ruby Dumpling	10c
Cotton Cactus	10c	Sand Dollar	10c
Curiosity Plant	15c	Scarlet Bugler	10c
Dayam's Tree Cactus	10c	Silver Star	10c
<i>Echinocactus laevigatus</i>	10c	Tom Thumb	5c
" <i>Grusonii</i>	7c	Turk's Cap	10c
" <i>Unguis</i>	10c	White Torch	5c

## CATALOG INDEX

#### **WISHING WELL**

This Chinese Wishing Well makes a most acceptable gift to discerning friends and is symbolic of your well wishes for their future. It is 7" tall, strongly made and cleverly finished of beautiful cactus lacewood. The planting of cacti is unique and will last almost indefinitely if kept watered. A fine ornament for an office desk, sideboard or library table. Colorfully planted, packed and postpaid.....\$2.00

## **MIXED CACTUS SEED**

**MIXED CACTUS SEED.** Contains more than 25 standard varieties. No worthless seed. 50c

**DELUXE MIXTURE.** Superb mixture made up from over 100 species of Cacti. All important and many rare kinds included. Put up in 3 separate packets of fine, medium and large seeds. All 3 packets \$1

**CHOICE MINIATURE CACTI.** A mixture of the finest Pincushions, Easter Lily, Parodias, Ball Cacti, Chin Cacti, etc. 25 or more kinds. 50c

**Minimum Order 25c Postpaid**

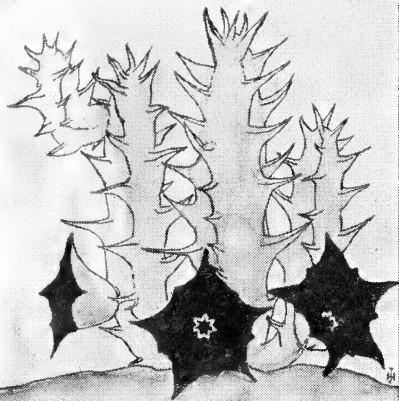
Please add ■ or 8 substitutes to be used if we are out of items.

Pincushion (Mammillaria) mixed.....	.10
Easter Lily (Echinopsis) mixed.....	.05
Old Man Cactus (Cep. senilis).....	.10
Coral Cactus.....	.05
Scarlet Bugler.....	.05
Orohild Cacti. Mixed. 10 seeds.....	.10
Peruvian Apple. ( <i>Piaptanthocereus</i> ). Mixed.....	.05
Moon Cacti. ( <i>Eriocereus</i> ). Mixed.....	.10
Silver Torch. ( <i>Cleistocactus Strausii</i> ).....	.10
White Torch. ( <i>Trichocereus Spachianus</i> ).....	.10
Barrel Cacti. ( <i>Trichocereus</i> ). Mixed.....	.05
Barrel Cacti. ( <i>Ferocactus</i> ). Mixed.....	.10
Lobivia. Mixed.....	.10
Queen of the Night ( <i>Selenicereus</i> ). Mixed.....	.10
Chin Cacti. ( <i>Gymnocalycium</i> ). Mixed.....	.10
Notocactus. Mixed.....	.10
Brazilian Rock Cacti. ( <i>Monvillea</i> ). Mixed.....	.10
Hyalocereus. Mixed.....	.10
Indian Head.....	.10
Golden Ball. ( <i>Notocactus Leninghausii</i> ).....	.10
Violet Sea Urchin.....	.10
Echinocereus. Mixed.....	.10
Turk's Cap. ( <i>Melocactus</i> ).....	.10
Ancistrocactus. <i>Scheerii</i> .....	.10
Cleistocactus. Mixed.....	.10
Coryphantha. Mixed.....	.10
Echinocactus. Mixed.....	.10
Myrtillocactus. Mixed.....	.10

## SUCCULENTS

**MIXED SUCCULENTS.** Fine varieties...

Tiger Aloe. ( <i>Aloe variegata</i> )	.10
Aloe, Mixed.	.05
Mesembrianthemums, Mixed.	.10
Scarlet Paint Brush	.05
Tiger Jaws, Mixed.	.10
Living Rocks, Mixed Kinds.	.15
Mexican Gem. ( <i>Echeveria elegans</i> )	.05
Dinteranthus. Mixed	.10
Echeveria, Mixed.	.10
Love Plant. ( <i>Anacampseros</i> )	.10
Wart Plant. ( <i>Haworthia</i> )	.10
Oil Tongue. ( <i>Gasteria</i> ). Mixed	.05



#### BLACK DRAGON FLOWER. Nat. Size

The fascinating easily grown *Huernia* Penzigi bears lovely black bells all summer and fall. Quick growing liking a sandy, rich soil and plenty of water in summer.

Branched specimens **35c.** Fine plants.....**17c**

#### CACTUS HELPS

Collection M 25

Book "Cacti for the Amateur."

Jar Johnson's Cactus Food.

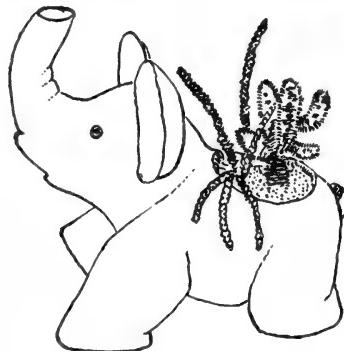
Cactus Insecticide and Leaflet.

Johnson's Cactus Soil Conditioner.

70c package Cactus Compost.

Quart Cactus Hardwood Charcoal.

6 Items to make cactus growing **\$3.00**  
easy. Postpaid.



**ELEPHANT.** An amusing chap interestingly planted.  
Comes in all colors.....

**75c**

## The NEW SAND CULTURE for CACTI

**HYDROPONICS** is the scientific name for growing plants in culture solutions. This new science is rapidly proving its worth and for the cactus enthusiast has especial points of interest. One may grow his plants in clean porous sand thus at once preventing any possibility of over watering. This is of particular interest to collectors where warm, dry or sunny weather is at a premium. Many choice or difficult plants thrive under this treatment for cactus roots, when well fed, enjoy spreading in the air-filled sand.

#### VITAMIN B-1

Wrights B-1 Tablets

For use in Any Soil

Works miracles on cacti often bringing refractory plants into bloom. Don't fail to use this wonder working solution. Better Homes and Gardens tests on Cacti records wonderful success attained in flowering slow plants. Particularly valuable to stimulate new root growth after transplanting. We use it regularly at our nursery.

Each tablet makes 1 to 2 gallons of solution. **150 tablets**  
with full instructions.....**50c**



#### PLANT-CHEM SALTS

Now Grow Prize Cacti the Easy Way

Cacti grown in pure sand and watered regularly with this nutrient solution make a healthy, vigorous normal growth. Contains in scientific proportions, the thirty chemicals needed in the growth of all plants.

**12½ gallon package postpaid, 28c.**

**100 gallon package postpaid, \$1.10.**

**400 gallon package postpaid, \$2.20.**



#### JOHNSON'S SAND CULTURE KIT

Collection H-23

COMPLETE instructions on growing Cacti and Succulents in sand with nutrient solutions. Simplifies watering. Makes the most difficult desert plants of easy culture. Particularly useful where winters are long and damp.

**12½ gallon pkg. Plant-Chem, 150 tablets Vitamin B-1,**

1 bottle Johnson's Cactus Food—All Postpaid.....

**\$1.10**

## SUPPLIES for CACTI . . .

FEW things are needed in the growing of cacti more than interest and a desire to collect them. However, for the city dweller and more serious collector I am offering a few things that may make their culture easier. The things we offer are the things we ourselves use.

#### JOHNSON'S CACTUS SOIL CONDITIONER

Of great assistance in keeping cacti in good health it is designed to add the minerals ordinary garden soils often lack. Desert soils are often high in mineral content for there is little rain to leach them away. A spoonful of my Conditioner placed about a Cactus plant and stirred lightly into the soil will often bring an ailing one back to health. Mix it with your potting soils.

Small Size **10 oz.**, postpaid, **60c.**

Large size **2 lb. 8 oz.**, postpaid, **\$1.00.**

#### JOHNSON'S CACTUS COMPOST Mix With Your Own Sand and Soil

An economical compost for Cacti and Succulents which when mixed with equal or larger quantities of both sand and light loam makes a very suitable soil for all desert plants. Composed of our reclaimed sclerophyllus leafmold, charcoal, soil conditioner, lime, and gypsum in the proper proportions for all potted cacti. A light and bulky mixture the same as we use in our own potting soils for both seedling and specimen plants.

Per bushel bag F.O.B. Hynes, **\$2.50.**

Per peck, Postpaid, **\$1.75.**

**5 pints to make 8-12 quarts of fine cactus soil. Postpaid.....** **70c**

#### ROOTWELL

Want to raise Cactus cuttings? Our new triple hormone powder for rooting refractory cuttings of all kinds designed particularly for quickly rooting Cacti and Succulents. Sterilizes the cut surface and induces luxuriant growth of roots. Apply dry with finger to fresh cut.

Full directions. Per jar.....**50c**

## TERMS

#### I GUARANTEE SAFE DELIVERY ANYWHERE—ANYTIME

**FREE DELIVERY:** I ship free all orders amounting to \$1.00 or more. A few special sizes noted in text are f.o.b. Hynes.

**MINIMUM ORDER** for free delivery is \$1.00. Orders for less must have **15c extra** to cover packing costs.

**HOW TO REMIT:** By check, money order or stamps. When stamps are sent I appreciate denominations of 10c to 25c. **No C.O.D.**

**HOW WE SHIP:** By guaranteed Parcel Post which delivers directly to your door. All plants are passed by State Horticultural Inspector to insure freedom from all insect pests. They are packed by experts in strong especially made boxes heavily insulated from heat and cold and clearly marked "Rush—Perishable—Tender Plants."

**MAY WE SUBSTITUTE IF OUT?**  
We have fine stocks of every item offered but owing to this season's great number we ask you to provide us with 2 or 3 alternatives.

The prices, terms and guarantee herein voids all prior offers.

**OUR SPECIAL CACTUS LEAFMOLD**  
A reclaimed, sclerophyllus desert leafmold, sifted, light and dry. Mixed with equal parts of both sand and loam it makes a fine, economical cactus soil.

**2 lb. 8 oz. bag, postpaid, 65c.**

#### HARDWOOD CACTUS CHARCOAL

Useful in keeping cactus soils sweet and aerated. Helpful in heavy soils.

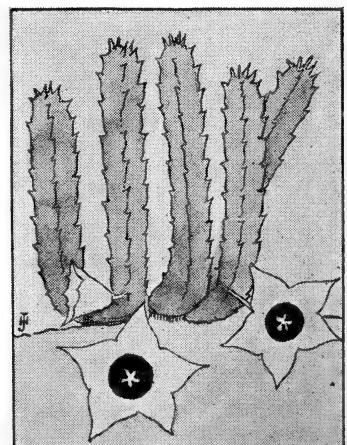
Per quart, **25c.**

#### CACTUS INSECTICIDE

Our special instruction sheet describing common cactus pests and treatment, with spray formulas. We recommend Barfoot Spray as effective and non-injurious to cacti or other house or garden plants.

Instruction sheet and bottle of Barfoot Spray, **40c postpaid.**

**Barfoot Neutral Spreader.** Added to spray increases kill by better penetration of pest. Bottle, **20c.**



#### RED DRAGON FLOWER

The handsome *Huernia* Schniederiana bears delicately beautiful blossoms with rosy-copper petals and jet black center. Flowers all summer, likes water, exceedingly easy to grow. Branched **25c.**

Larger **35c.** Fine plants.....**15c**



Unique

# CACTUS

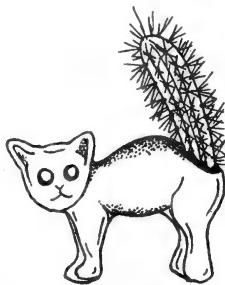
## Pottery

### POTS PLANTED AS ILLUSTRATED

You will enjoy these well designed animal figures of fine glazed pottery, tastefully planted and in many attractive colors. White, black, light and dark brown and green, chartreuse, rich maroon red, rose, red, orange, mauve, yellow, blue. Choose your colors but always have at least 2 or 3 choices as sometimes we cannot secure just the ones wanted. If watered occasionally will remain in good condition 1 to 3 years.

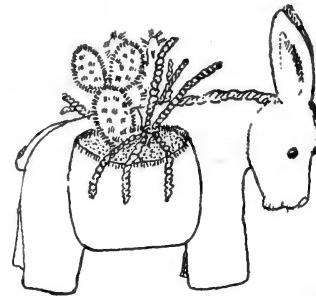
### POTTERY COLLECTION

Any three 75c pots.  
Planted and postpaid.....\$2.00

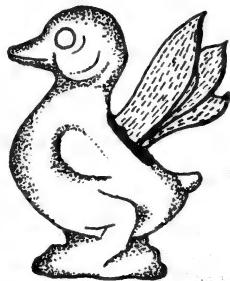


**KITTEN**—5 in. long.

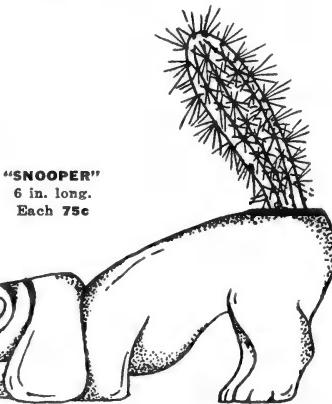
This pert kitten is very effective in deep orange or black but may be had in all colors. Each.....**75c**



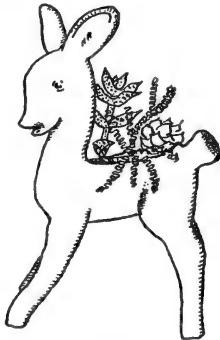
**Burro with panniers.** This patient, overburdened little fellow carries a load of 6 cacti and succulents and sells postpaid for.....**\$1.00**



**DUCK**  
5"  
EACH **75c**



**"SNOOPER"**  
6 in. long.  
Each **75c**



**FAWN.** 6" TALL  
This charming attractively planted figurine is particularly pleasing in raspberry, turquoise, mauve and white. Each.....**75c**

# CACTUS BOOKS

These fascinating plants have a most interesting and comprehensive literature. You are missing half the pleasure of this amazing hobby if you do not have several books of reference to turn to when you want to learn further about your acquisitions or intended purchases.

**Cacti for the Amateur.** You will want this chatty but authoritative book. Cloth \$2.05. Paper \$1.65.  
**Succulents for the Amateur.** 400 illustrations. 800 described. Cloth \$2.10. Paper \$1.55.

### CACTUS CULTURE

By Elles D. Schultz. A practical, simple, well illustrated book. Chapters on Indoor Cactus Gardens, Outdoor Cactus Gardens, Grafting, Watering, etc. 157 pages. \$2.10 postpaid.

### THE CACTUS AND ITS HOME

A very sympathetic book written by famed Dr. Forrest Shreve of the Desert Laboratory of the Carnegie Institution. You will enjoy its chapters on the nature of cacti, propagation, grafting, etc. Other chapters deal with interesting side lights on the family—how they are named, the origin of spines and other features, their flowers and fruits. There are fine habitat photographs and much about where cacti are found in the wild. One of the most readable and informative books. 186 pages. Cloth \$1.50 postpaid.

### THE CACTUS BOOK

By Dr. A. D. Houghton. An interesting book that every fancier will enjoy with chapters on Window Sill Gardens, Cactus Borders, Propagation, etc. Introduces you to 1000 different kinds. \$2.40 postpaid.

### CACTACEAE

With illustrated keys of all genera by W. Taylor Marshall. Supplements Britton and Rose and describes all new genera and species named since 1919. Cultural directions on all genera. \$3.10 postpaid.

### CACTUS

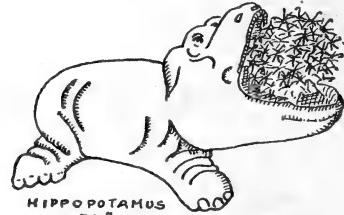
By Van Laren. One of the most gorgeously illustrated books on plants it has been my good fortune to see! There are 133 large full colored, exquisitely finished, plates of cacti. The text is a mine of information. \$3.10 postpaid.

### STARFISH FLOWERS

**THE STAPELIAE.** By White and Sloane. A 3 volume deluxe set magnificently illustrated with 1233 photographs and color plates. Notes on culture, habitats, biographies of botanists plus a critical revision of the tribe and full descriptions of all genera and species. \$12.50 express collect.

### THE SUCCULENT EUPHORBIAS

1000 pages, 1100 photos of Euphorbias. A beautiful 2-volume work bound in buckram just issued. Full notes on culture. A manual for plant lovers. Per set \$12.50 express collect.

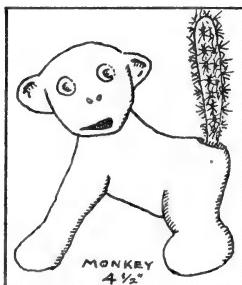


**HIPPOPOTAMUS**  
5 1/2"

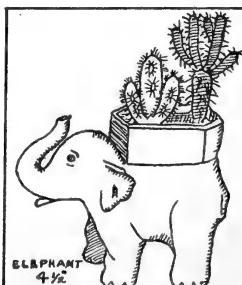
**HIPPOPOTAMUS**  
Whose dripping jowls contain a succulent. Particularly effective in dark green or white. Each.....**75c**



**A Mexican donkey cart** with load of 3 cacti. 5 inches long. Effective in deep orange, brown, blue. Comes in all colors. **.80c.**



**A quizzical monkey** with cactus tail. He'll bring a smile. Fine in dark brown, black and dark green. **.75c.**



**Elephant with howdah.** Effective in deep green, mauve and white. **.80c.**  
**Camel with cactus load.** Very effective in orange, yellow. **.80c.**



**Dachshund with gasteria bow** and cactus tail. Very effective in brown, rose or tints. **.75c.**



**CURIOSITY PLANT.** Nat. size.  
*Piptanthocereus peruvianus monstruosus*

These novel and attractive cacti never lose their odd method of growth. They are always pretty with their bright chestnut colored spines and living green stems. Many of them are more grotesque than this photograph shows. Fine pot plants, never getting too large. Give a fertile soil and water. Bright clean 2" plants 30c. Fine 1<sup>1</sup>/<sub>2</sub>".....

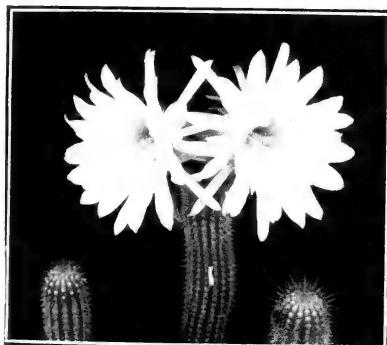
18c

#### ERDISIA

A very rare genus from the high mountain valleys of the Andes. They are small, pencil-shaped, with red flowers.

*Erdisia* *Masiera* 50c. *E. maxima* 50c. *E. squarrosa* 50c.

**EULYNCHNIA SPINIBARBUS.** Spiny 6" 35c.



#### WHITE TORCH CACTUS

Beautiful, popular and extremely easy to grow. Trichocereus Spachianus has stood 10 degrees above zero without harm. Forms a handsome specimen branching only from below. Glorious 6" snowy-white flowers. One of the best for grafting. 12" heavy specimens \$1.00. 15" \$1.50 posted. 8"–10" seedlings branched 40c. Thrifty clean plants. 1<sup>1</sup>/<sub>2</sub>"–3".....

17c



**"Our Home-made Greenhouse Brings Us Lots of Fun," says Mrs. P. L. Atkins.**

Dear Sir:

I am enclosing a picture of myself among my cacti. They are kept in our home-made greenhouse and are growing beautifully. The majority of the smaller ones came from you, either as small plants or seeds. I have had very good success in growing plants from seeds.

In my collections Mammillarias predominate and I have 60 different species of them. I find that cactus raising is the most fascinating hobby of any that I have ever had.

Very truly yours,  
MRS. P. L. ATKINS,  
1523 Nelson St., Chicago, Illinois.

At Left. Flowering Tree Cactus.

*Piptanthocereus millesimus monstruosus*. A handsome variety with bold blue-green bristles, many crested or rather "monstrosed". These bloom freely. Plain 19c. Monstrous 2" to 3" 30c.

#### TORCH CACTI Flowering Trichocerei

A splendiferous genus practically all of which have globose forms. Among them are many of our garden favorites. Most experienced collectors place among their own personal specimens. They vary from 12 inches to 25 feet in height and are found from sea level to 10,000 feet.

**Outline.** Vigorous rooting plants and the easiest to grow, thriving everywhere. Give them a fertile soil and plenty of water during the growing season. Rest partly dry during the winter.

**WHITE BOWER CACTUS.** *Trichocereus Schickendantzii*. Very free growing variety with plump branches whose low ridges are gemmed with chestnut-colored, harmless spines. Makes a many-headed specimen and bears handsome frilly white flowers in great abundance. A choice plant for specimens. 4"–6" fat specimen beginning to branch 50c. Larger \$1. Fine fat seedlings 1"–2" 17c.

**TRICHOCEREUS CANDICANS ROTUSTIOR.** Glorious snow-white blossoms. Regular and free in flower. An attractive plant, making a fine specimen. May grow to 3 feet. 1"–2" 25c.

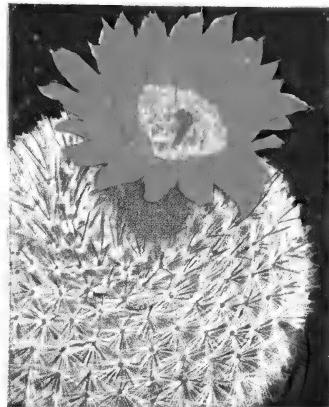
**Trichocereus thelegonus.** 1<sup>1</sup>/<sub>2</sub>"–3" 22c.

**Trichocereus poco.** 3"-4" 50c.

**Trichocereus Bridgesii.** A quick growing subject with tall stems, growing extremely easy. The arms on older stems loop over and root at the tips. Likes a rich soil. 12" plants only 50c.

**Trichocereus pascacana.** A large columnar species from Argentina, found growing in the mountains on rocky slopes. 1<sup>1</sup>/<sub>2</sub>"–2" 35c.

**Trichocereus cuscoensis.** A rare mountain species with tall stems. 8"-10" 75c.



#### SILVER BALL

*Notoactus scopo*, Nat. size. A lovely plant which even pea-sized seedlings have all the characteristics of older ones. They are clothed with pure white bristles interspersed with longer ones tipped with red. Grows quickly and easily under all conditions. A native of Brazil where it is found growing amongst shrubs in the crevices between rocks. You cannot fail to want this plant. Likes partial sun and moisture. 1<sup>1</sup>/<sub>2</sub>"–3".....

20c



#### MEXICAN LIVING ROCK

##### *Ariocarpus fissuratus*

It is a real thrill to see the lovely blossoms this singular plant produces amongst its horny tubercles. No plant could look less like a living thing. The tough horny skin is brown through which the underlying green flesh shows. The root is beet-shaped, the top composed of triangular tubercles, pointed and warty. It thrives and flowers in the window garden. Likes a very sandy, rocky soil and no water during winter. Giants 3"–5" 50c. Flowering plants 2"–3".....

**WHITE CUP CACTUS.** *Trichocereus Schaffneri*. An almost spineless species with glorious 10" snowy blossoms. Grows most easily with very fat, pale green stems. Feed well. 1"–1<sup>1</sup>/<sub>2</sub>" 23c.

**GOLDEN CUP CACTUS.** *Trichocereus huashan*. Deep brilliant yellow blossoms 7" across. 1"–1<sup>1</sup>/<sub>2</sub>" 23c.

**TRICHOCEREUS HUASHA RUBRA.** An elegant and dwarf variety with red blossoms. 3"–5" 40c.

**TRICHOCEREUS CHILOENSIS.** A fine, heavily spined species from high in the Andes. Grows to 10 feet tall, becoming much branched with age. A fine specimen. 2"–3" 35c. 6" 75c.

**TRICHOCEREUS KNUTHIANUS.** A fine new species, tall and tree-like. 10" 75c.

**TRICHOCEREUS MACROGONUS.** Thick, tall stems and huge blossoms. 12" \$1.00.

**TRICHOCEREUS LAMPROCHLORUS.** A particularly free blooming plant. Blossoms 6" across. 2<sup>1</sup>/<sub>2</sub>"–3" 20c. 6"–8" 75c.

**TRICHOCEREUS STRIGOSUS.** 2"–3" 25c.

**TRICHOCEREUS SANTIAGUENSES.** 1<sup>1</sup>/<sub>2</sub>"–2" 20c.

**TRICHOCEREUS TERSCHECKII.** 2"–3"

35c.

**TRICHOCEREUS UYUPAMPENSIS.** Rare. 1<sup>1</sup>/<sub>2</sub>"–75c.

**TRICHOCEREUS PACHENOI.** Almost spineless. 12" 75c.

#### WILCOXIA

These interesting and free flowering plants have very pretty flowers and add tuberous roots. Our plants are grafted.

**Wilcoxia australis.** Grafted 60c.

**Wilcoxia Poselgeri.** Grafted 60c.

**Wilcoxia viperina.** Grafted 60c.





# FASCINATING BARREL CACTI or ECHINOCACTUS

**T**Hese barrel-shaped cacti are a very attractive group found scattered from the United States to Argentina. They vary greatly in their size and shape and in the kinds of flowers and fruits they bear. Some are tiny species the size of walnuts, others are 10 ft. tall and a yard in thickness. They may be identified in two great geographical groups, the North American ones centered in Mexico and embracing such plants as Bishop's Cap, Golden Barrel, Cat's Claw, Agave Cactus, etc., the South American ones the Paryodias, Lobiarias, Chin Cacti, Ball Cacti, etc. I have placed under Echinocacti most of the globular types even though technically some are related more closely to the Cerei. Almost all of them have one feature in common (shared with their congeners, the Cerei), that is—ridged stems. This accordion effect, well shown in the photograph of the Star Cactus at the right, allows them to expand rapidly without bursting when the rains fall. Their flowers are regular and wheel-shaped generally though not always borne in the younger areoles near the top of the stems. The larger species are of interest for the beauty and symmetry of even the smallest seedlings. Many of the smaller ones bear really remarkable flowers. The delicacy and brilliance of some seem all out of proportion to the plants as though nature had tried to make up for the harshness of their surroundings.

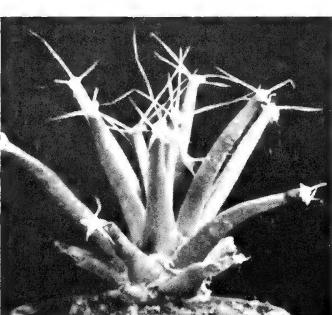
**ASTROPHYTUM ASTERIAS.** Sand Dollar. Illustrated on Page 27. A curious spineless plant with large, yellow blossoms tinged with red in the throat. These very rare cacti are collected for us by sheep herders in Northern Mexico where they grow extremely thinly scattered on the mesas. Mature flowering specimens.  $2\frac{1}{4}" - 2\frac{1}{2}"$  50c. 3"-4" Giants. 65c.

**ASTROPHYTUM MYRIOSTIGMA TETRAGONA.** Don't fail to have this one! Always has four sides instead of the conventional five. Very rare.  $1\frac{1}{4}" - 1\frac{1}{2}"$  50c.

**ASTROPHYTUM MYRIOSTIGMA COAHULENSIS.** A smaller growing but very white variety. 1" 40c.

**ASTROPHYTUM MYRIOSTIGMA POTOSINA.** A large quick growing variety.  $1\frac{1}{4}" - 1\frac{1}{2}"$  40c.

**ASTROPHYTUM ORNATUM.** Star Cactus. See photo at right. A beautiful species with handsome flowers and most attractive habit. 25c.



## AGAVE CACTUS

*Leuchtenbergia principis*

Certainly one of the oddest with 3" fragrant yellow and red flowers borne on the end of the nipples. Fine!  $1\frac{1}{2}" - 2"$  25c.

**ASTROPHYTUM CAPRICORNE.** A rare species with gorgeous red and yellow blossoms.  $1" - 1\frac{1}{4}"$  each 40c.

**Astrophytum capricorne senilis.** Large 3"-4" specimens \$1.50.

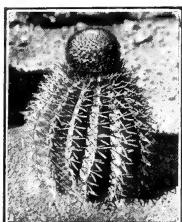
## HOMALOCEPHALA TEXENSIS

A flat-topped cactus with many sharp angled ribs and stout curved spines, reddish and ringed. The flowers are large, bell-shaped bright pink flushed with orange-red, each petal deeply fringed and shimmering like satin. In the center the stamens are pale yellow, the stigma with 11 red rays. The flower is deliciously fragrant and lasts several days. The fruits are at first hidden in white wool but when mature are smooth and bright scarlet. Flowering size  $2\frac{1}{2}" - 3"$  50c. 3"-4" 60c.

At Left.

## PARODIA SCOPAOIDES. Nat. size

Brilliant orange-yellow blossoms make this one of the most attractive novelties we have yet introduced. The plants even when not in flower are very pretty with their tiny hooked spines arranged in orderly spirals. Of the earliest culture, flowering when small. Fine 3-year-old  $1" - 1\frac{1}{4}"$  in specimens... 27c



## TURK'S CAP

These oddest of cacti bear a red central tuft perched on top like a Turkish fez! The flowers are borne on this strange growth. They were the first cacti brought to Europe perhaps by Columbus. Best to grow in light, warm moist atmosphere and in fertile sandy soil. Nice  $1" - 1\frac{1}{4}"$  plants only.... 25c

**SPECIAL.** I have a few fully grown specimens like the photograph.  $1\frac{1}{2}" - 2"$  tall  $25" - 30"$  in diameter with fully developed cephaliums. Splendid specimens for show purposes. These rare and beautiful plants express collected from Hynes with cultural directions, only \$7.50.



## A FINE WESTERN CACTUS GARDEN

In this garden of Mrs. Hunt may be seen many interesting specimens. The tall columnar ones are Peruvian Apple Cacti which in the West grow into trees. In front is a nice specimen of Old Man and next to it a Wooly Torch.

## HOW ECHINOCACTI GROW

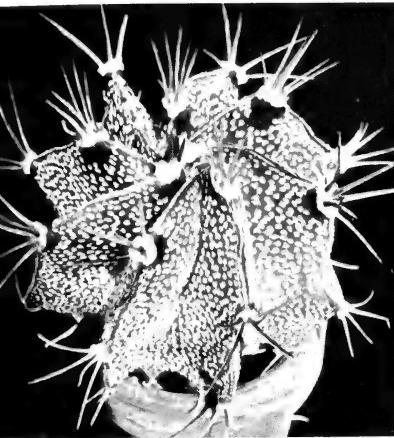
Most of the Barrel Cacti we grow require the same treatment as Pincushions and Cerei, coming as they do from similar regions where the rainfall is not heavy enough to support true forests but quite sufficient for shrubs and a wealth of an annuals and bulbs in the rainy season. It is surprising how fertile the soil can be at the bases of bushes or boulders which the plants favor. Our plants are easy to succeed with for they are grown under much the same conditions you will provide for them in your own home. In general, a rule of thumb is the more fierce the spiny armament of any cactus the less water it will need. The spinistest are the Feroeacti; the least spinous the Rebutias with their rounded green bodies which enjoy considerably more water and possess a thicker skin. The great majority we offer are in between. In our nursery all are grown under identical conditions and the extreme forms are grown side by side. Acquaintance with your own plants will soon show you how to secure the results you want.

### CAT'S CLAW

#### *Hamatocactus hamatacanthus*

A very pretty plant with long hooked spines and bright yellow flowers which appear in early summer. The flowers are about 1" in diameter and are few borne on tubercled ridges, the plant sometimes becoming several inches high. In cultivation they grow very freely, liking plenty of light and a rich soil and during the summer plenty of water.

Each ..... 17c



### STAR CACTUS

*Astrophytum ornatum*, Nat. size.

A handsome specimen that every collection should have. It is quite easy to grow and with its large yellow blossoms tinged with red in the throat, a striking plant. Beautiful in all sizes 1"-1½" 35c.  
2"-2½" 50c. 3" \$1.00.  
Handsome plants ¾"-1" 25c

### LOBIVIA

Cob Cacti

These small Cacti are mostly mountain species from Bolivia (of which Lobivia is an anagram) and Argentina. Some species are found in Chile, etc., also on the bleak slopes of Lake Titicaca the world's highest lake. They are sometimes solitary plants, other species forming easily separating clusters. Many species have fleshy taproots while other species coming from the same districts have fibrous roots. The blossoms are exquisitely brilliant red and yellow.

**CULTURE.** They enjoy a fertile sandy soil and plenty of sun in summer. Rest in a cool place in winter. When growing they enjoy moisture.

**LOBIVIA AUREA.** See color plate on page 28. A very pretty and free-flowering species. 1" 26c.

**LOBIVIA ATROVIRENS.** A new species with very short spines and bright green body. It grows freely and makes a fine cluster. Lately introduced from Salta, Argentina. 1" 35c.

**LOBIVIA CHRYSOCHAETE.** A new species just described and very distinct. Plant body is bronze green with low ribs and close-set rows of almost white spines. Nice plants 1"-1½" 35c.

**LOBIVIA DENSISPINA.** This handsome species reaches 2" in diameter with low ribs and close-set tiny spines. Flowers almost 2" long, yellow. Nice 2½"-3" plants only 50c.

**LOBIVIA BACKEBERGII.** A handsome red flowered variety often literally covered with bright blossoms. Grows freely, the plant light green with slender weak spines. 1¼"-2" 35c.

**LOBIVIA JAJOIANA.** A pretty species from Argentina with pale green body, tubercled ribs and long spines. The bright flowers are dark wine red. Each 35c.

**LOBIVIA FAMATIMENSIS.** A stout species with low ribs and many tiny spines. Flowers of various colors of yellow and orange. Each 35c.



SPECIMEN CACTI IN HOPEWELL, NEW JERSEY

The photograph is of the collection of Mrs. Robert Moore, R.F.D., Hopewell, N.J. Mrs. Moore has been very successful with her plants and the windows all over the house. The specimen at the right is a Feroeactus similar to the Fire Barrel. The other is the Candy Barrel.

### FEROCACTUS

These are familiar sights in the heat tortured desert mountains of the Southwest where they stand sentinel over the lonely wastes, yellow in the level rays of the rising sun, golden in the purple twilight. Give them a porous, sandy but fertile soil with a little leafmold; remembering not to keep their feet wet and to give them plenty of sunshine and fresh air.

**CALIFORNIA FIRE BARREL.** See description below. Every collection should include this one! A real big specimen, 2 feet to 3 feet in circumference. One of the prettiest of cacti and only \$1. each.

**FEROCACTUS ECHIDNE.** A large Mexican species with yellow spines and yellow flowers 1½" each 30c.

**FEROCACTUS FLAVOVIRENS.** A handsome species branching with many heads at last forming great mounds. Very rare 1½"-1½" 40c.

**CANDY BARREL.** *Ferocactus Wislizenii*. A very pretty Fish Hook Barrel found in Sonora where the flesh is cut up and cooked in sugar making the famous cactus candy. ¾"-1 ¼" 20c.

**FEROCACTUS NOBILIS.** A rare and fine species that in Mexico grows to a great size. The small plants are quite attractive with their colorful spines. 1"-1 ½" 20c.

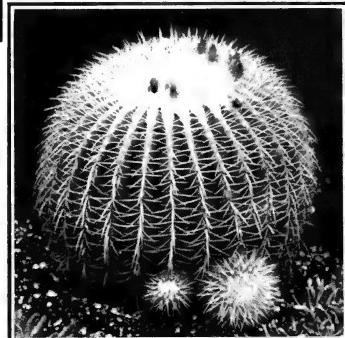
**FISH HOOK BARREL.** *Ferocactus latispinus*. This excellent species has long been popular. The spines are reddish or become red, the central one quite wide, rigid and hooked at the tip, the ribs sharp and low. A colorful plant and easily grown. 1 ¼" each 25c.

### CACTUS SEED

Growing Cacti from seed is quite simple and interesting and many of our customers have had fine success with them. Full planting instructions are sent with every order. Seed germinates in from 3 to 10 days in a warm room. See page 17 for large selection!

**MIXED CACTUS SEED.** Contains 25 standard varieties. Packet 50c.

**DE LUXE MIXTURE.** Superb mixture of over 100 species of cacti. All important, many rare kinds included. Three separate packets of fine, medium and large seed for easy sowing. \$1.00 All 3 packets.....



### GOLDEN BARREL

#### *Ferocactus glaucescens*

No collection is complete without this spectacular beauty. Specimens 1" globe or punnet, shining golden yellow unlike any other. Young or old they are golden, but the older it grows the more striking it is. For the first year or so it bears nipples instead of ribs! Of the easiest culture enjoying powdered eggshells for lime. A few specimens 5"-6" \$2.50. Fine golden plants 2"-2½" 60c.

1½" 35c. 1" 25c

### BRITTONIA DAVISII

This most interesting plant is found in Texas. The small plants are colorful with their red and yellow spines, the longest of each cluster being hooked. The blossoms, borne in a circle at the top, are yellow. Grows easily, flowers freely.

Each 17c

At Right

### FIRE BARREL

#### *Ferocactus acanthodes*

One of the handsomest Cacti native to the mountains of California. The fiery red color is from the long, hooked and twisted horny spines. They are startlingly conspicuous on the rocky hillsides, their crimson red among the sparse shrubs. Then spring comes and with the cold becomes very interesting. Plant them in pure sand and give no water, perhaps a trace in early summer. To give you the lowest price we ship only Express Collect. Packed weight approximately 6-10 lbs.

Giant specimens 24" to 36" \$1.00  
in circumference each

### PLEASSED WITH FIRE BARREL

"The shipment of Cacti arrived Saturday. They are beautiful and I received many compliments on them. You do not fully realize the beauty of the Fire Barrel. No one here has anything like it. In the afternoon when the sun shines on it, it is glorious. My fourth order in six weeks."

MRS. RALPH PEPMEYER, Burlington, Iowa.





### VIOLET SEA URCHIN

*Acanthocalycium violaceum.* 2/3 Nat. size.

This colorful variety blooms over a period of two to three months in late spring. The flowers are quite large, funnel-shaped and of the most exquisite colors—violet, pink, yellow or orange. They bloom abundantly to flower when small. Give it a sandy, fertile loam soil and a fair amount of water during the summer. A superb species.  $\frac{3}{4}$ "-1" each.

**21c**

### NEOPORTERIA

A rare Chilean genus often found on cliffs overlooking the sea shore. Some species become almost spineless with age while others develop masses of curling white hair. The flowers are most attractive—bright pink, yellow or orange, of large size and freely produced. Give them a sandy, fertile loam soil and during their season of growth keep barely moist. Rest well during the winter by withholding moisture.

**CHILEAN OLD WOMAN. Neopoteria nidus.** One of the most striking white haired Cacti in cultivation! The plant is hidden in a thicket of long, curling and interlacing white or grey hair. One of our most gorgeous flowering cacti bearing exquisite, vivid pink blossoms 2" long lasting for many days, the buds crowding one another for space to open! Flowers more than once during the season. A few small plants  $\frac{3}{4}$ " 50c. Large flowering plants 2"-3" grafted on heavy stock. Beautiful, each **\$2.00**.

### JOHNSON CACTUS FOOD

Buy it in bulk. 15 oz. **\$1.00**



### INDIAN HEAD

*Notocactus ottonis*

Let me recommend this free-flowering cactus to everyone for its blinding perfume extorting over many of the summer months. It often produces blooms larger than the plant itself. The largest plants may be 3"-4" tall. Grows easily under all conditions, likes a rich soil with some sand and plenty of water during the summer. Half shade suits it well but it does better with more sun. Fine blooming size  $\frac{1}{2}$ " each. **35c**. Splendid 1"- $\frac{1}{2}$ " that should flower soon..... **19c**

# COMPLETE

## STORIED GARDEN

WITH SOIL, POT AND

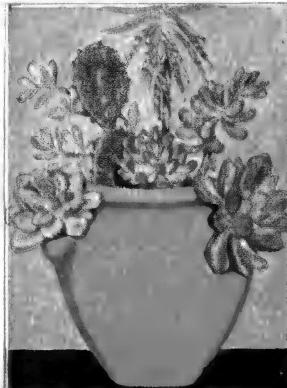
### 8 Fine Plants

This Strawberry Pot is approximately 5 inches tall by 5 inches wide and has a wide mouth and 3 generous side pockets for planting.

#### Collection N16

A garden that all may enjoy no matter how small the space. As gifts they are much appreciated. Let us send them to your friends. Every room is brightened by them. Grow and bloom for years on table or stand even if much neglected.

**A Fine Selection of Plants \$1.50  
with Soil and Pot Postpaid.**



### STRAWBERRY JAR GARDEN

## ECHINOCACTUS

### HEDGE HOG CACTUS

These are the true Hedge Hog Cacti and are found in the West and in Mexico. The plants become, in some cases, quite large, thick and cylindric with many waved low ribs, the top being often clothed with a heavy felt of white wool. The flowers emerge from this dense woolly crown and are generally straw colored and very yellow.

**CULTURE.** They are quite shallow rooted and enjoy a porous sandy soil and a sunny position. They take a moderate amount of water after becoming established. Do not overpot any spiny cactus. Very easy to grow.

**GOLDEN BARREL. Echinocactus Grusonii.** Illustrated on Page 23. A spectacularly beautiful plant. **25c** and **50c**.

**ECHINOCACTUS INGENS.** An enormous species reaching 4 ft. to 5 ft. in diameter and as tall. It grows on gravelly mesas in Mexico and enjoys a sandy loam soil with leafmold 2"-3" 50c.  $1\frac{1}{2}$ " each **30c**.

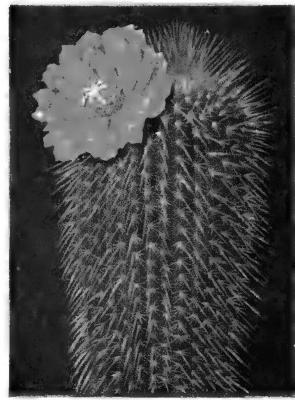
### 117 VARIETIES!

Dear Mr. Johnson:

I am so proud of the many nice cactus plants I have received from you in recent years that I could not resist sending you a photo of them. 117 varieties not mentioning my hardy cactus garden. The two big Easter Lily Cacti in the center are quite old and just now are now 9 years old and the start of my hobby. They are indeed gorgeous in bloom. I find cacti, like people, love company and seem to thrive best when a number are planted together in each pot.

Let me compliment you on the grand way your company packs and ships plants as fresh as though just handed across the counter. Wishing you the best of luck in your business. Sincerely yours,

MRS. H. V. BERRY, Ortonville, Minn.



### GOLDEN BALL

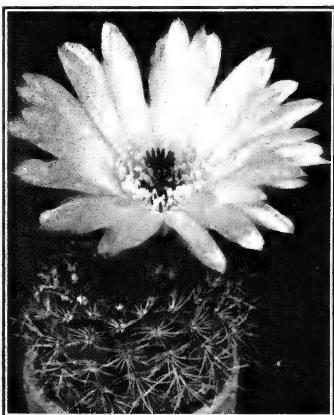
*Notocactus Leninghausii.* 2/3 Nat. size.

A lovely soft species with golden hair thickly clothing the entire plant. It is one of our most popular varieties and visitors always exclaim over its unique beauty. Grows readily, liking a little extra moisture and shade in hot weather. We have some choice plants of this rare variety which comes from South Brazil.  $1\frac{1}{2}$ "- $1\frac{1}{2}$ " 35c.  $2\frac{1}{2}$ " 75c.  $3"$  \$1. Handsome 1" only.

**21c**

**ECHINOCACTUS PALMERI.** A yellow spined species from Mexico that with great age produces slender trunks up to 6 feet tall. 1" **25c**.

**ECHINOCACTUS HELOPHORUS.** A beautiful variety that becomes banded with purple and green. A most attractive plant.  $1\frac{1}{2}$ "-2" **35c**.



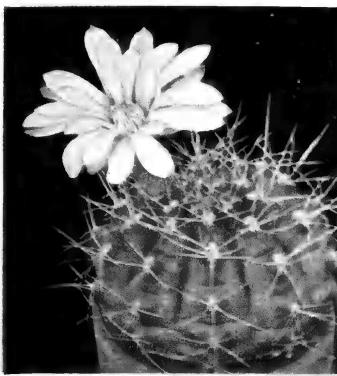
### A PRETTY BALL CACTUS

*Notocactus apicinus.* Nat. size.

This choice cactus bears flowers much larger than itself! One of my favorites growing so freely and flowering so regularly in the spring. It is a native of Uruguay growing on the coastal bluffs. The spines are soft and harmless, the flowers bright yellow with crimson stigma. The buds are covered with brown wool.  $1\frac{1}{2}$ " blooming size **35c**. Nice  $\frac{3}{4}$ "-1".....

**25c**





DAM'S CHIN CACTUS

*Gymnocalycium Damsii*

This free flowering Chin cactus is one of the very easiest to grow, coming into flower when hardly more than an inch across. The flowers vary from pink to white, some pale yellowish like a chalice soil and plenty of water. From Paraguay. Blooms frequently throughout the summer and likes a partial shade. 1"-1½" flowering size.....

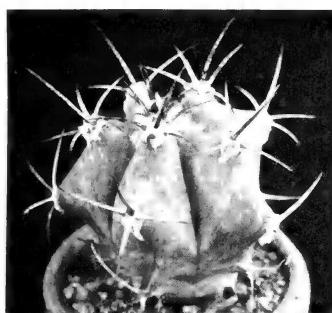
27c

#### PYRRHOCACTUS

A rare genus from Argentina and Chile with strongly tubercled ribs and red, sharp petalled, funnel-form flowers. They are a most interesting group and quite loamy soil and not too much water.

**PYRRHOCACTUS HORRIDUS.** A vigorous species with large chin-like tubercles, strong spines and brownish red flowers. 1½"-1¾" 40c.

**PYRRHOCACTUS MAMILLARIOIDES.** A large species with heavily recurved blackish spines and dark mahogany-red flowers produced in great quantity. 2"-3" 50c. 1¾" 35c.



HEDGE HOG BARREL CACTUS

These Barrels are often used by thirsty Mexican travelers to supply a drinkable but slightly bitter water. This one makes an attractive window garden specimen. 1" to 1¼" each.....

20c

#### CROWN CACTI

##### *Rebutia*

These brilliant flowered, small cacti bloom with the greatest profusion during spring and summer. The flower springs from the base of the plant where it enters the soil and all the plant smother the plant. The blossoms are lovely in hue, pink, red and yellow and as dainty as any in the family. They grow most easily and all flower when quite small. The plants when full grown rarely exceed 1½" in diameter though many also form small clusters. The spines of all are barbed, hardly more than bristles. They are found in the mountains of Argentina, Bolivia and Peru.

**CULTURE.** Being very tolerant they thrive to perfection as pot plants blooming regularly. They are often grafted on the Peruvian Apple and in a single season will form a large cluster. We have found they enjoy a fertile sandy-loam soil with a little leaf mold if you have it. Always keep them moist. They do best in partial shade.

**REBUTIA SENILIS.** Silvery white bristles closely cover the plant and in the spring the carmine red blossoms appear. A pretty plant at all times. It is found at 5000 ft. elevation in the mountains of Argentina. 5½"-3½" 20c.

**REBUTIA SALMONEA.** This charming variety has a light, green body, glossy bristles and a very pretty pale red flower. Very attractive. 5½"-3½" 22c.

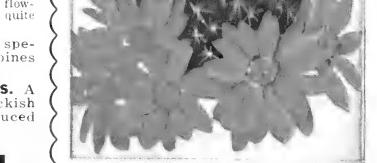


BISHOP'S CAP

*Astrophytum myriostigma*

This popular and beautiful variety is an old favorite and one of the easiest of all to grow. It is found in Mexico where it grows on rock crevices. The head 5" to 6" across but the whole surface is closely covered with minute, star-like hairs, making the plant appear pure white and as rigid as though carved from marble. They bloom exceptionally freely all summer. When growing they may be freely watered but keep dry in winter. Beautiful 1½" flowering size 35c. Fine plants 17c.

21c



Red Crown Cactus

*Rebutia minuscula.* Nat. size.

This is possibly well for everyone and in the spring our beds have hundreds of flowers! The bright red buds form at the ground level and keep opening for weeks. Very easy to care for and like quite a bit of moisture. 1½". Blooming size....

30c

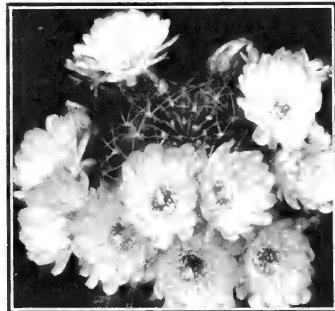
**REBUTIA VIOACIFLORA.** Brilliant violet rose blossoms, the plant being quite small. A very fine species. 1"-1½" 35c.

**REBUTIA KUPPERIANA.** A new species with dark chestnut colored bristles and deep red blossoms. A very distinct species recently discovered in Bolivia. 1½" 35c.

**REBUTIA GRANDIFLORA.** A large flowered variety. 1½"-3½" 25c.

**REBUTIA SPEGAZZINIANA.** A tall growing species with clustered stems and scattered bristles. Flowers dark red. 1"-2" 22c.

**REBUTIA CITRICARPA.** A pretty variety with yellow-orange blossoms. Forms nice clusters. 1½"-3½" 30c.



HERTICH'S LOBIVIA

Turn to Page 23 for descriptions of other Lobivias. This species has crimson blossoms in June and July. A fine plant. 1½"-2" 30c.



HARDY HEDGE HOG

*Thelocactus Schottii*

For this really free flowering little plant I am offering fully mature specimens that have bloomed for many years. They blossom many times during the summer! A gem every collector must have. 2"-3" only.....



WHITE CHIN CACTUS

*Gymnocalycium Schickendantzii*

This South American Chin Cactus bears charming pink white blossoms and has long summer blooming season. A rare and fine specimen for the connoisseur. A few large plants only. 2½"-3"

75c



LEMON BALL CACTUS

*Notocactus subgammilous*

A plant every collector should have. These free blooming oddities flower in the spring, the cheerful yellow blossoms appearing over a period of weeks. A rare native of Argentina to 3" across. Fine 4-year old flowering size.....

19c



GLORY OF TEXAS

*Thelocactus biocolor*

Gorgeous grape-like, branching blossoms over 2½" across, starting till late fall. Fine 4-year old flowering plants 50c. Smaller 2"-3" 35c.



#### SEEDLING CACTI IN OUR NURSERY

The greater part of our Cacti are grown from seed which is a slow, painstaking method but it assures you of well-rooted, healthy plants used under the same conditions that you will grow them under. Experienced growers know the value of this!

#### GYMNOCALYCUM VENTURIANUM.

This exquisite species has glorious bright red blossoms which are produced in great abundance. The plants seldom exceed 2" in diameter and sometimes bear a complete circle of their brilliant blossoms. Small plants 20c. 1"-1 1/4" 35c.

#### GYMNOCALYCUM QUELHIANUM.

This fine plant bears many frilly white flowers whose petals are soft pink on the inside. Flowers freely all summer. The plant body is dark purplish. 1"-1 1/4" 35c.

#### GYMNOCALYCUM GIBBOSUM.

A fine species from Argentina with short spines and low rounded ribs. Flowers large and in color from white to pink. 1"-1 1/4" each 35c.

**GYMNOCALYCUM GIBBOSUM SCHLUMBERGERI.** A variety with dark body and few spines. 1" 40c.

**GYMNOCALYCUM ANISITII.** A very pretty species with few spines and low rounded ribs. Flowers frilly white. Found in Paraguay. 1" each 25c.

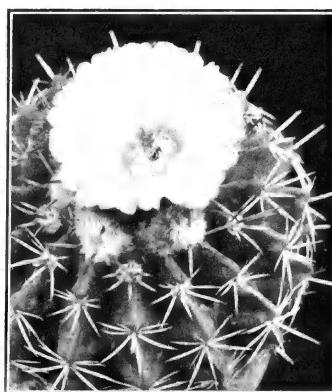
#### GYMNOCALYCUM MULTIFLORUM.

A broadly rounded species with wide ribs and narrow furrows between. Spines are stiff, recurved. Flowers white and pink. 1"-1 1/4" 35c.



We would be proud of such well-grown plants, too!

Mr. Harold Ruschkey of 19 Miller Street, Mt. Clemens, Minnesota, can rightly be called a thrifty plant man. You will note that in in many winter winters are inclined to bone that the plants come through in splendid shape ready for spring blossoms.



## 10 CACTUS BEAUTIES

Collection N17

A choice selection of widely different cacti expressly chosen as plants I would personally like in starting a new collection.

1. Old Man
2. Indian Head
3. Golden Stars
4. Peruvian Apple
5. Indian Comb
6. Bishop's Cap
7. Easter Lily
8. Bird's Nest
9. Arizona Organ
10. Red Pincushion

**10 Fascinating Cacti,  
all labelled..... \$1.50**

#### WHY NOT SELL CACTI?

Write for circular M for information regarding cactus selling.

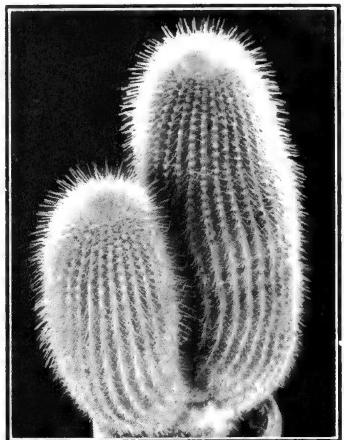
At Left.

#### COLUMBIAN BALL CACTUS

Malacocarpus Hennissii

Very easily grown cactus from Columbia with sharp angled sides and satiny yellow blossoms. Seldom exceeding 6" in diameter. Finis 1 1/2" 29c  
flowering size plants only

**35c**



## CHIN CACTI

### Gymnocalycium

The Chin Cacti are a fine group of miniature cacti confined to South America—Argentina, Paraguay, Brazil and Bolivia, where they are found in the dry foothills and mountains. Many of them are easily grown and have lovely flowers in pink, red, white and yellow and often flower when very small. Several varieties flower again and again practically throughout the summer. They are globular plants seldom exceeding the size of an orange although one species grows to a foot in diameter. The ribs are few and low, tubercled with a distinct "chin" below each areole, hence their common name. Their scientific name is long and difficult but simply means "naked bud" referring to the glabrous flower buds. The flowers of all are pretty, sometimes much larger than the plants that bear them and you will find them a welcome addition to your window.

**CULTURE.** They are of the simplest culture, requiring no special care. A mixture of sandy loam, leaf mold or our Compost and sand in equal parts seems to suit them well or just a good fertilizer will do. In the winter keep them cool and on the dry side so they will have a good rest and be ready to flower in the late spring. Almost all cacti enjoy a winter rest.

#### GYMNOCALYCUM FLEISCHERIANUM.

A tender deep green plant with a crown of lovely pink and white blossoms with ruffled petals. The flat, small plant has 9-12 low, rounded ribs on which the tiny, soft spines are set on distant areoles. It grows easily and is a very choice plant. Native of Paraguay. 1 1/2" Mature 40c. 1" 25c.

## GOLDEN BALL CACTUS

*Notocactus Leninghausii*

A very choice specimen plant being thickly clothed with long, soft, harmless golden hair. Visitors at our nursery always exclaim over its unique beauty. Though it is of the very easiest care and thrives in full sun, it grows slowly yet it will always be rare at tiny seedlings are very slow. It enjoys a sandy loam soil with a third leafmold. To get the best growth never let the soil become completely powder-dry.

Choice 1 1/2" specimens 60c.

Choice 2" specimens \$1.00.

Choice 1 1/2" specimens \$2.00.

Choice 1"-1 1/2" specimens 25c.

Beautiful 3/4" to 1" specimens, 3 yrs. old..... **19c**

#### GYMNOCALYCUM BODENBERGANUM.

A very pretty species from Argentina with dark purplish body and white and pink flowers. Ribs low and rounded with narrow furrows. Spines short, flexible and closely appressed. Free flowering and pretty. 30c.

#### GYMNOCALYCUM PFLANZLI.

A rare species from Bolivia. 1 1/2" 50c.

#### GYMNOCALYCUM LEPTANTHUM.

A small variety with appressed spines, low areoles cut in rounded warts. Flowers white. 1"-1 1/4" 30c.

#### GYMNOCALYCUM LEEANUM.

This interesting species forms nice clusters, the plants bright green with appressed whitish spines. Flowers yellow. Each 30c.

#### GYMNOCALYCUM LAFALDENSE.

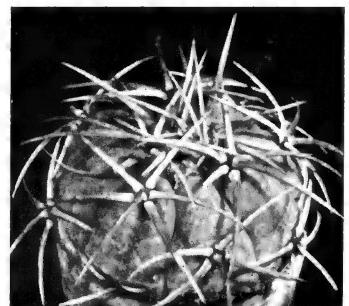
A dwarf species with white spines and large pink blossoms. Forms nice clusters. Makes a fine grafted specimen. Free flowering. 9/4"-1" 35c.

#### GYMNOCALYCUM KURTZIANUM.

This fine species has white blossoms, pinkish at the base. Rare 1 1/4" 40c.

## CACTUS FOR THE AMATEUR

A fine informative book on cactus culture. **\$1.05 postpaid.**



#### TEXAS NIGGER HEAD

*Echinocactus horizonthalonius*

Bears the loveliest pink flowers you ever saw! The plant is very free-blooming, opening its blossoms in the summertime. They come out in a fluff of white wool near the young areoles at the top. Fine mature old flowering plants, only

**25c**



#### A LETTER FROM AN OLD CUSTOMER

Dear Mr. Johnson:  
I am sending you a picture of myself and cactus garden. Most of the cacti are ones I received from you and they have grown the most and are the strongest of all. It is now four years since I sent for my first cacti from your garden. As soon as spring comes I will want more to add to my collection.

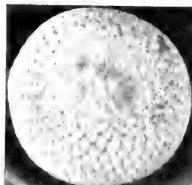
MARY O'BRIEN, 8506 Valley Way, Opportunity, Washington

#### MALACOCARPUSS

These interesting and pretty flowered star cacti are found in Brazil, Uruguay and Argentina as well as the Andean region. The plants are 2" to 5" across, often rather biscuit-shaped, with many acute but low ribs. Spines are few and the top of the plant is hidden by a felt of whitish wool from which the pretty yellow, almost tubeless flowers appear. Of the easiest culture liking a sandy but fertile soil and quite a bit of water in the summer. During the winter give them a cool, dry rest period.

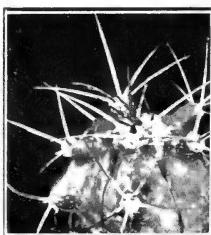
**COLUMBIAN BALL CACTUS.** *Malacocarpus Hennissii.* See picture page 26. A most attractive species flowering when small. Blooming size each .35c.

**MALACOCARPUSS PAUCIAREOLATUS.** A fine, large flowered species recently imported from Uruguay. Shining golden blossoms. Plant much compressed with low sharp ribs and few spines. Each .40c.



#### BUTTON CACTUS

This charming small cactus (*Epithelantha*) really is so curious, appearing perfectly white, the spines being so tiny and close together as to clothe the plant like a glove. Pretty pink flowers and bright red berries. Nice blooming size ..... 19c



#### ECHINOCACTUS HELOPHORUS

A variety of this gigantic genus plants several inches in diameter have handsome zig-zag purple bands around them. Spines heavy and recurved. 1½"-2" .35c. 2"-3" .45c.

#### GOLDEN BARREL

Turn to page 23 for photograph. Beautiful golden-yellow spines. A striking plant.

#### PARODIA TOM THUMB CACTI

Amongst the most charming are these elegant and beautiful flowered small treasures. They bloom during the summer, the blossoms ranging from yellow to orange and crimson, and in some species are as large almost as the plant. They are mountain species found principally in Argentina in the cooler, damper regions.

**CULTURE.** Being quite at home in our gardens, they require no special care. Just a little shade is helpful and they enjoy a fertile, loamy soil and during their summer growing period to quite moist.

**TOM THUMB.** *Parodia aureispina.* Turn to page 28 for color picture. A very handsome and rare small species from Argentina. Flowers most freely even when quite small. Grows easily and is an exquisite plant. Each. 27c.

**GOLDEN PARODIA.** *Parodia chrysantha.* This bears straight yellow-gold spines and yellow blossoms. A beautiful and dainty plant of the easiest culture. Seldom seen in any but the choicest collections. Each .25c.

**PARODIA MUTABILIS.** See page 16 for color plate. This pretty plant has tiny, reddish, hooked spines borne on low nipples in perfect spirals. The flowers are

borne in a circle near the top and are a rich orange yellow. Plants each .35c.

**PARODIA SANGUINIFLORA.** An exquisite new species with brilliant ruby-red blossoms. The plant is very neat and pretty with radial spines and hooked centrals arranged in a spiral lace pattern. .35c.

**PARODIA STUEMERI.** A rare species with long brown spines, the central one hooked. Flowers pale orange. Makes a fine specimen. .40c.

**PARODIA SCOPAOIDES.** A charming species with rich golden flowers and pretty reddish spines. .35c.

#### TURK'S CAP MELOCACTUS

These odd plants bear a peculiar red cap or cephalium perched on top of the melon-shaped bodies exactly resembling a red Turk's fez. The pink flowers are produced in this central lump which is well shown in the photograph on page 22. It is formed by many stiff, red bristles underlain by white wool. Found principally on the Caribbean Islands but also seen as far south and west as Peru. They were the first cacti brought to Europe, perhaps by Columbus. Amongst the most curious plants in all nature.

**CULTURE.** They like a warm, moist atmosphere and during the growing season plenty of sun. Thrive in a quite sandy soil and cactus food is beneficial during growth.

**TURK'S CAP.** *Melocactus intortus.* One of the finest species of all with fine red cap. I have a few healthy young plants. 1"-1½" .25c.

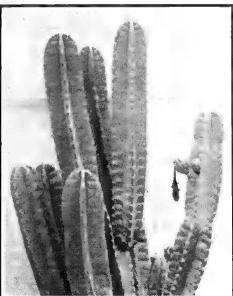
**Special.** Large, full-grown show specimens 10"-12" tall, 25"-30" in circumference with well developed fez, like photo page 22. Express collect only. \$7.50.

*Melocactus Antonii.* 40c. *Melocactus Ernestii.* .35c. *Melocactus Janseianus.* .35c. *Melocactus Neryi.* .40c. *Melocactus Obtusipetalus.* .35c. *Melocactus Peruvianus.* .35c.



#### LILAC EASTER LILY CACTUS

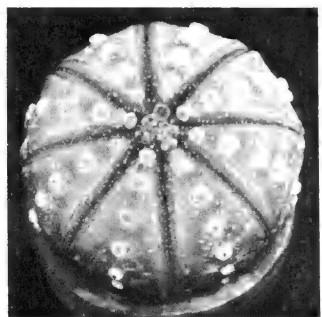
*Echinopsis rhodotricha.* 1/3 Natural Size. A lovely blossoming shrubby plant. Flowering in spring and summer. Several times. Each flower 6"-9" long and quite fragrant. The plant is a fine smoky blue with dark colored spines and seldom bears offsets. These vigorous rooted plants like a rich soil and plenty of water during the summer resting them by keeping dryer during winter. Found wild in Argentina. 1½" plants. 19c



#### FREE BLOOMING TREE CEREUS

*Pithecellobium Gonimanthus*

In our catalog we say that if these ever-blooming tree cacti they would lose their most distinctive feature. They grow rapidly and soon assume their tree-like character with ascending branches which may reach several feet in length in the open ground or a few inches in a pot. With a strong root system, they like a rich soil and in the summer plenty of water and a dressing of cow manure. Other species are described on page 12. This is an exceptionally free-flowering and fine fruiting variety with quite blue stems and hardly any spines. The flowers are 6"-7" long, fruits size of duck eggs. 12"-15" flowering size \$1.00. 2"-4" .19c



#### SAND DOLLAR *Astrophytum asterias*

One of the oddest looking of cacti. Pale green tinged with bronze and divided into 5-9 sectors like a pie. They are entirely spineless but dotted with microscopic white stars. In the center appear the large yellow blossoms with red throat. These large, pale, yellowish-green plants are hardy in Northern Mexico where they grow thickly scattered on the mesas. They like a quite sandy soil and no water during the winter. Our plants are all mature flowering specimens. Giants 3"-4". 65c. 2"-3" .50c

#### MR. SHEAFFER HAS FLOWRED MANY OF HIS PLANTS

Dear Mr. Johnson:  
I wish to let you know about my success with Cacti and Succulents. Enclosed is a picture of my collection of which I have quite a number that bloomed this last summer. My Night Blooming Cereus which is not in the picture, and three large blossoms which bloomed during August. Note the large Burbank's Spined Cactus in the right background. I have had two orders from you and to date have not lost a single plant.

I remain yours,  
FRANK SHEAFFER, Route No. 5, Carlisle, Pennsylvania.



# BALL CACTI

## NOTOCACTUS

Some of the most fascinating and lovely flowered Cacti are found in this group and I personally recommend them to your consideration knowing they will please in every way. The plants are very neat and none are very spiny, many having soft bristles. The flowers are bright and cheerful opening widely in the sunshine and often being most freely produced. They are of the easiest culture doing exceptionally well in the window garden. Many fanciers graft them on taller-growing sorts such as the White Torch or the Peruvian Apple where they grow rapidly and flower profusely. Such specimens are the heart of many collections.

**CULTURE.** They like partial shade during the hottest part of the summer. Very early spring and late summer are best for them. They are small, clustered cacti, the branchlets the size of one's finger and just the thing for pots. They flower in May, the buds literally bursting their way through the fat turgid "fingers". New plants beginning to cluster. **23c.**

### DEVIL'S FINGER CACTUS

*Echinocereus Blanckii* 2/3 Nat. size.

Shining bright pink blossoms with a circle of yellow stamens and long green rays. There are small, clustered cacti, the branchlets the size of one's finger and just the thing for pots. They flower in May, the buds literally bursting their way through the fat turgid "fingers". New plants beginning to cluster. **23c.**

**NOTOCACTUS FLORICOMUS.** A large species from Uruguay reaching 4" in diameter with short, stiff spines the low ribs heavily tubercled. Small. **21c.**

**NOTOCACTUS GRAESSNERI.** A very handsome species with short, hairy bristles bright yellow in color. Distinct from all others. A lovely specimen and exceptionally pretty when grafted. Quite rare but one of the choicest. Small  $\frac{1}{2}$ "- $\frac{3}{4}$ ", **20c.**

**NOTOCACTUS HASSELBERGII. Scarlet Ball.** A truly glorious species when well grown. Covered with short white bristles and crowned in February and March with a circlet of vivid orange-red blossoms! A real treasure.  $\frac{1}{2}$ "- $\frac{3}{4}$ ", **20c.**

**NOTOCACTUS LINCKII.** A rare species with splendid large flowers. Plant fat, dark green often tinged purple. Ribs low rounded, not tubercled, spines reddish, flexible. A grand species. Small  $\frac{1}{2}$ "- $\frac{3}{4}$ ", **25c.**

**Notocactus Muelleri — Melchersii.** This new species is most attractive with many low, tubercled ridges and soft, flexible spines. Yellow blossoms.  $1\frac{1}{2}$ "- $1\frac{1}{4}$ ", **50c.**

**NOTOCACTUS MAMMULOSUS.** A splendid flowering species well illustrated on page 22. Plants may reach 3"-4" in diameter and flower in May.  $1\frac{1}{2}$ "- $1\frac{1}{4}$ ", **20c.**

**NOTOCACTUS PAMEPEANUS.** From Uruguay. Young spine clusters quite red, ribs low, strongly tubercled, spines stiff. Flowers large, bright yellow.  $\frac{3}{4}$ "-1", **30c.**

**NOTOCACTUS OTTONIS. Indian Head.** See illustration page 24. The freest flowering, blooming all summer. No collection should be without it.  $1\frac{1}{2}$ "- $1\frac{1}{4}$ ", **19c.**

**NOTOCACTUS SCHUMMANNIANUS. Giant Ball.** A very handsome species with long, reddish yellow, hair-like bristles. Beautiful in flower. Grows quite large to 4" in diameter. A very rare and choice species  $1\frac{1}{2}$ "-2", **50c.**  $1\frac{1}{2}$ "-3", **25c.** Smaller **25c.**

**NOTOCACTUS SCOPA. Silver Ball.** See color illustration page 21. White bristles tipped red. A grand variety.  $1\frac{1}{2}$ "- $1\frac{1}{4}$ ", **20c.**

**NOTOCACTUS TABULARIS.** A fine species with low, rounded ridges faintly tubercled and with flexible reddish bristles. Large hairy yellow flowers.  $1\frac{1}{2}$ "- $1\frac{1}{4}$ ", **25c.**

**NOTOCACTUS VELANOVSKII.** A rare variety near Mammulosus.  $1\frac{1}{2}$ ", **25c.**

**PSEUDOLEOBIVIA LOBIVOIDES.** A recently discovered genus in appearance like the hook-spined Echinopsis and bearing white flowers. Ribs low, acute; spines few, short. Plant forming clusters. Fine!  $\frac{3}{4}$ "-1", **20c.**

**WEINGARTIA.** A genus recently set up to take care of a difficult-to-classify group native to Bolivia and Peru.

**WEINGARTIA CUMINGII.** A handsome orange flowered species. Tiny plants for grafting. **25c.**

**WEINGARTIA NEUMANNIANA.** A fine and rare species. Globe shaped with few spines. **35c.**

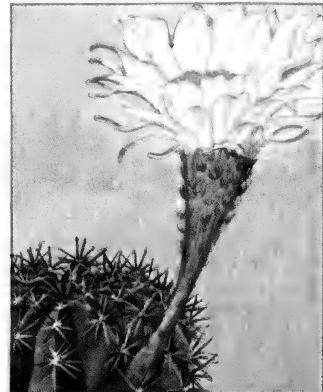
**DENMOZA RHODACANTHA.** A rare and much prized specimen.  $2\frac{1}{2}$ "- $2\frac{1}{2}$ ", **60c.**  $3\frac{1}{2}$ "-4", **\$1.25.**

At left.

**COW HORN**

*Euphorbia grandicornis.* 1/8 Nat. size.

A fascinating Succulent from Africa. The stems are bright apple-green and 2-angled, the ribs bearing heavy 2-pronged, light brown horns. A distinctly different and striking specimen. Give it a rich loamy soil and plenty of water. We add a bit of dried cow manure to the potting soil. Likes partial shade. 6"-8" 50c. 10"-12" 80c. Fine 4"-6" specimens. **40c**



### PINK EASTER LILY CACTUS

*Echinopsis multiplex.*  $\frac{1}{2}$  Nat. Size.

The easiest growing cactus and an old favorite found in collections everywhere. Flowers when young. Customers write they have specimens 25 years old that have never failed to flower! Plants usually grow tall with age may become a foot tall. Grows wild in the rich regions of southern Brazil. Give generous culture and Cactus Food during summer.

**SPECIAL.** Large 3 to 4 inch flowering specimens. **50c.**  
Nice 2" flowering size **25c.**  
Strong 1 in.-1 $\frac{1}{2}$  in. plants..... **17c.**

### CHILENIA

Fine, free flowered cacti bearing lovely cerise-pink blossoms. Large plants will bear dozens of them. They are very spiny globular plants with low, tubercled ribs bearing several flowers at each areole.

**CUTIE.** A very attractive cactus in a sunny position and a rich, light loamy soil with plenty of moisture while growing, less in the winter. They bloom with us from February to June.

**CHILINIA ACCUTISSIMA.** This attractive species has lovely carmine-red blossoms with spreading petals and short tube. The plant body is quite dark, very spiny, usually globular but with age reaching a foot or more in length. From Valparaiso, Chile.  $1\frac{1}{2}$ ", **21c.**

**CHILENIA HETEROCANTHA.** A rare species with bright carmine flowers, many ribs and flattened, globe-shaped body.  $\frac{3}{4}$ "-1", **35c.**

**CHILENIA SUBGIBBOSA.** One of the very best flowering cacti blooming profusely in early spring, the bright pink blossoms appearing 2 to 3 at each areole. A good grower liking a fertile porous soil and during the growing season plenty water.  $1\frac{1}{2}$ "- $1\frac{1}{4}$ ", **23c.**



### GOLDEN EASTER LILY CACTUS

*Lobivia aurea*

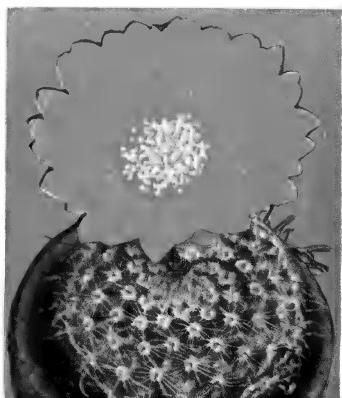
A rare species with short, stiff spines set on low sharp ridges. The flowers yellow, shining blossoms are produced freely in late spring. Each bud is thickly covered with long black hair. They originate on the side of the stem near the top. Fanciers consider it one of the choicest. Cacti and specimens are much sought after. Cacti enjoy a light, fairly rich soil and a sunny position in the window. A few nice plants 1", **30c.**

### ISLAYA

*Lobivia aurea*

A very interesting genus recently segregated from Echinocactus. Plants are round with numerous low ridges and brown-tipped areoles.

**ISLAYA ISLAYENSIS.** A very rare plant from southern Peru. A few grafted specimens. **\$1.00.**



### TOM THUMB

*Parodia aureispina.* Nat. size.

This newly discovered tiny barrel was found only on one cliff in Argentina. It is a handsome globe 2"-3" diameter, almost hairless and spined on spiralled ridges. Flowers most freely even when quite small. All the spines are bright golden in color, a dainty and elegant plant.  $1\frac{1}{2}$ "-2", **50c.**

**25c**

# ECHINOPSIS AND ECHINOCEREUS



HYBRID EASTER LILY

These fine plants are the result of many crosses among our finest varieties, and you will find them all very charming plants in many shades of pink or white. They are vigorous growing plants and because of their parentage come into flower early. Large old-flowering plants \$2.40. \$1.00. Smaller blooming specimens 50c. Nice 1½" 17c.

**ECHINOPSIS RITTERI.** A superb species with great ruffled flowers over 10" long borne directly in the top of the plant. A very rare plant with short spines and reaching quite a size. 1" 25c.

**ECHINOPSIS LEUCANTHA.** A fine species with long curved spines and numerous low ribs. Flowers from pale to pure white. Very pretty with wide, overlapping petals fringed on the margins! 25c.

**ECHINOPSIS OBREPANDA.** A very rare and distinct species with short recurved spines and low rounded ribs. Flowers white with black hair. 2½" 50c.

**ECHINOPSIS ALBIFLORA.** A charming variety with slender tubed, pure white flowers borne in the greatest abundance. Very choice. 2" 2½" 25c.

**ECHINOPSIS CALOCHLORA.** A fat, rich shining green plant with low rounded ribs, short flexible spines and handsome ruffed white blossoms. Likes some shade and is a most attractive plant. 1½" 2" 25c.

**ECHINOPSIS KRATOCHVILIANA.** One of the prettiest of these small shade-loving mountaineers. They are flat-topped with many low-angled ribs and tiny spines. Found in grassy glades and bears its charming white flowers abundantly during early summer. 1" 25c.

**WHITE EASTER LILY.** *Echinopsis turbinata*. A beautiful species with large white flowers! Grows anywhere. Likes water and rich soil. Splendid. 1" 2" flowering 25c.

**ECHINOPSIS BRIDGESII.** A tall-growing species with 10" blossoms. This most entrancing species is quite rare and well worth your attention. Likes a rich soil. 1½" 25c.

**ECHINOPSIS SYLVESTRII.** A very choice and rare species. Exquisite snowy blossoms. 2" 3" 40c.

**ECHINOPSIS** or Easter Lily Cacti. These are old garden favorites grown all over the world for their glorious lily-like blossoms. The plants are native to the mountain regions of South America apparently in the better-watered districts for most all like moisture. They flower with the greatest profusion almost all summer long. In gardens they thrive under the most varied conditions and have been known to grow in dry, sandy soil, wet soil, in shade, in full sun, in pots and in the ground. All kinds of these plants grow well over 25 years old, that always bear dozens of their beautiful blossoms each season. Plants are generally orange-shaped but with age may become tall-cylindric and often have 10-15 flowers open at once, every flower in the neighborhood opening on the same day. This peculiarity is shared by the orange and yellow Easter Lilies. More recently introduced are the charming smaller species with harmless spines like the illustrated *E. hamatacantha* at right. Taller than either is the huge (10") flowered *E. Huottii*, which seems to offer a connecting link to *Trichocereus*. The flower of course opens in the evening but remains open till noon and if cloudy all day.

**CULTURE.** They like a rich, well-drained loam and during the growing season, plenty of moisture. In our garden, we top-dress them each summer with cow manure. They may be wintered in a cool place.

**PINK EASTER LILY.** See color plate, opposite page. A very free flowering species that grows well under all conditions. Flowering size 25c. 1" 1½" 17c.

**ECHINOPSIS HUOTTII.** A splendid plant bearing glorious snowy-white ruffled blossoms 8"-10" long! This is a very distinct Bolivian species not closely related to others. The plants grow several inches tall flowering in late spring. 1½" 1½" 25c.



PYGMY ECHINOPSIS

*Echinopsis hamatacantha*. ½ Nat. size.

This dainty little mountaineer spanshes the margins of grassy glades in the Argentine highlands. The blossoms are large and double, borne on the lower sides of the plants. It grows freely, liking half-shade, a rich soil and quite a bit of moisture at all times. The flowers are produced in the spring and several crops may be expected over a period of two months or so. 1" 30c.

## COLLECTION N 18

### 5 ECHINOPSIS

Such plants as *E. Huottii*, *albiflora*, *Kratochviliana* correctly labelled..... \$1.00

**ECHINOCEREUS LUTEUS** 25c. *E. mojavensis* 20c. *E. octacanthus* 25c. *E. paucispinus* 20c. *E. papilio* 25c. *E. Poselgerianus* 20c. *E. Ritteri* 20c. *E. Salmanius* 20c. *E. sarissophorus* 25c. *E. stramineus* 25c. *E. Scheerii* 20c.

## COLLECTION N 19

5 Hedge Hog Cerei all correctly labelled. my selection  
Nice plants 80c.

At left

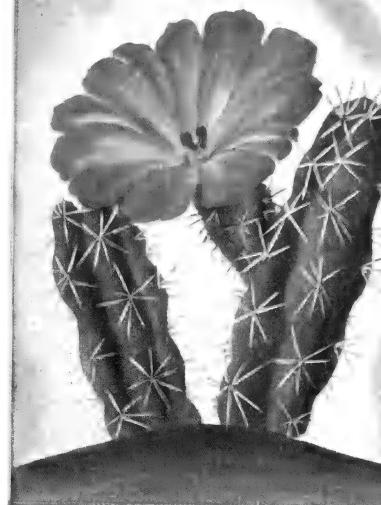
### CACTUS FRAMES

Here you see cacti growing in our little frame-upon-the-ground nursery. In this way our plants are grown to insure healthy, sun-ripened growth crammed with vigor to do their best in your window garden. To grow and multiply these plants require much painstaking labor and 20 of us are required to keep things going.

At right

### AFRICAN LIVING ROCK

*Pachypodium lamerei*.  
One of the best of the living rocks or mimetic plants rarely having more than 4 leaves and these appearing like shards of splintered granite even assuming the rock in shape and color and the peculiar speckled gray appearance of granite. Quick growing 1" 2" plants. 20c



## HEDGE HOG CEREAUS

*Echinocereus pentaphyllum*

This is a particularly fine species from Mexico, the flowers being large and brilliant carmine-red. Each petal is frilled, the heart of the blossom filled with pale yellow stamens from which a bright green-rayed stigma protrudes. The plants form small clusters of 2"-6" branches and make unique pot specimens. Give them a rich sandy loam soil. Grow quite easily, liking full sun when the buds begin appearing in April. An attractive plant at all times. 25c

## ECHINOCEREUS HEDGE HOG CEREAUS

From Wyoming to Mexico City many a rocky slope is bright with the richly colored blossoms of the Hedge Hog Cerei. The brilliant heads of flowers are seen here and there amongst the boulders appearing in spring. The lovely blossoms range from pink to scarlet, purple, crimson or yellow often as big as the plants. The petals of each cup-shaped flower shine as though with frost.

**CULTURE.** They grow easily liking a rich soil put one well-drained with plenty of sand. During the early summer they like a fair amount of water and may be watered at all times. Rest in a cool window or basement during the winter.

**ECHINOCEREUS MERKERI.** Handsome purple blossoms. A quick-growing, fat-stemmed plant branching from below. Grows easily liking a rich soil and sunny position. A most attractive specimen. 6"-8" clustered 35c. Fine plants 23c.

**DEVIL'S FINGER.** Illustrated on page 23. *Echinocereus acifer*. Rare, orangish-flowered species. 1½" 40c.

**ECHINOCEREUS CINERASCENS.** Freely branching with straight white spines and brilliant violet red blossoms. A handsome species. 2"-3" 30c.

**ECHINOCEREUS CONGLOMERATUS.** A beautiful purple blossom. Stems creeping, fleshy. 3" 25c.

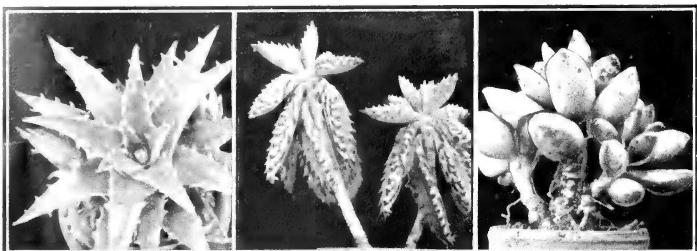
**ECHINOCEREUS CTENOIDES.** A gorgeous many colored flower ranging from yellow to red. Blossoms extremely large and striking. A beauty. Fine blooming plants 3"-4" 21c.

**ECHINOCEREUS ENNEACANTHUS.** Lives by red blossoms. Plants freely sprouting from the base. Nice clusters 35c. 2"-3" 25c.



# SUCCULENTS

## Strange and Beautiful



PINEAPPLE DYCKIA

*Dyckia sulphurea*, whose bright green, spiny leaves and lovely spikes of rich yellow blossoms deserves a place in your window. Likes water and shade. 2<sup>1/2</sup>" 18c

COCONUT PALMS

*Byrophyllum Hirsutissimum*. Looks for all the world like miniature coconut palms! A cluster in a brightly colored dish makes a very pretty ornament. Grow anywhere. Tall, varied sizes. 3 for 25c. 15c Each

PRETTY PEBBLES

*Aeranthos Clavigerius*. A charming small plant with prettily marked leaves. Silver-green and maroon. Likes moisture and grows in either sun or shade. A native of South Africa. Each 20c

### ODD MESEMBRIANTHEMUMS

Many of the most fascinating and curious succulents are found in this large and varied family from South Africa. There are a great many kinds of them, including the Living Rocks, Stone Faces and Tiger's Jaws. Every collection should have representatives.

SILVER SKINS

*ARGYRODERMA OCTOPHYLLA*. This fine species has silvery green, smooth leaves. Very rock-like. Flowers cream. 18c.

*TRICHOADIEMA DENSA*. A lovely flowered cactus-like mesemb with bright pink blossoms 1" in diameter as large as the plant. Looks like a Pincushion Cactus, each nipple-leaf with a star of spines. Flowering 1". 22c.

ELK HORNS

*Rhomphophyllum Rhomboideum*

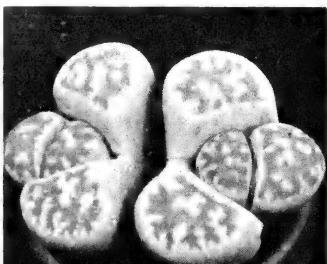
Curious antlered leaves and bright yellow flowers. Leaves in basal clusters. An easily grown succulent. Each 23c.

Imitaria Muiri

A very rare succulent with a single pair of leaves joined together, the flowers appearing through a tiny slit in the top. 50c.

Nananthus Orpenii

A very pretty little species with a tight cluster of triangular spotted leaves and many yellow daisy flowers. Flowering size. 17c.



LITHOPS SUMMITATUM

A very pretty species with age forming clusters. Windows heavily marked and broken in a very pretty pattern. Plants mature their growth in spring after which they should be kept dry until autumn. White flowers in September and October. Each... 25c

QUEEN VICTORIA'S CENTURY PLANT

Handsomest of the Agaves! A dwarf species with short, deep green leaves heavily and sharply striped with white. Makes a capital specimen, for it grows slowly. Give it a rich, light soil and plenty of moisture. A native of Mexico. Nice plants. 23c



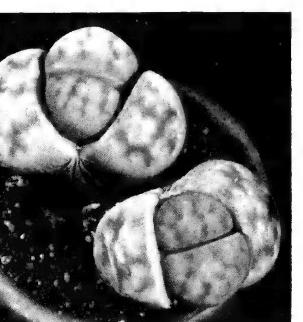
ALOE NOBILIS

This fine small species bears 18" spikes of bright red bells during the summer. Mature plants are 6" in diameter and often branch from the base. Rich green leaves with orange-yellow midribs. Grows in South Africa. Likes a rich soil and water. Blooming size 40c. Nice plants. 18c

At Left

PICKANINNY TOES

*Euphorbia Aggregate*. The heads grow jammed together, each topped by numerous soft red spines in winter. Each 20c.



A STONE FACE

*Lithops Karasmontana*

This charming species was discovered in the Karas Mountains of Southwest Africa by Mrs. Jutta Dinter. It is a common species, much you can expect for these "flowering stones" in Namibia land. The leaves which are grey to tawn color with darker dendritic markings are found growing among quartz pebbles which they closely resemble. All Lithops mimic the rocks amongst which they grow in almost uncanny fashion. They are invisible until the show white flowers discover them! Each

25c

### STONE FACES

*Lithops*

Mimicry amongst animals is common; among plants extremely rare. These lovely little plants are true mimics, closely imitating the stones upon which they grow. They come from the deserts of Southwest Africa where their succulence makes them a slight tid-bit for the roving ostrich. Probably those conspicuous amongst the stones soon fall prey to their catholic taste. They also perfect examples of true "window plants" the distinctive markings on their tops admitting diffused light to the chlorophyll hidden beneath the ground! There are almost one hundred species differing in pattern, design, shape and flower color. Some are gregarious and many kinds may be planted together in a single pot or pan, spacing them a half inch or so apart.

CULTURE. Since they come from the driest parts of Africa, they do not want much water. They like a sandy, gravelly soil with some leafmold and loam. They grow poorly in short, about three months, and when new growth begins, especially in early spring, more water may be given. When at rest, water should be given sparingly at rare intervals. They form but one pair of leaves yearly and flower in the fall. Since interest lies in their perfect adaptation to their native environment, they may be placed about them to display their mimicry to your friends a living proof of nature's wonders!

### 20c EACH, 1 YEAR BLOOMING SIZE

LITHOPS FULLERI. Beautiful milky rose with a handsome darker pattern. Flowers white.

LITHOPS FULVICEPS. A lovely form, minish fawn sprinkled with olive green dots. Flower yellow.

LITHOPS FRAMESII. Slate green, darker pattern. LITHOPS HERRELI. Fawn grey, transparent window.

LITHOPS LERICHEANA. Beautiful pinkish brown with heavy dark pattern.

LITHOPS LESLEI. Rust brown, with green window.

LITHOPS MAYERI. Silvery green, spreading leaves.

LITHOPS MICKEBERGENSIS. Pale reddish grey, brown windows.

LITHOPS OLIVACEA. Olive green, few markings.

LITHOPS OPALINA. Milky rose. Flowers white.

LITHOPS PSEUDOTRUNCATELLA. Large growing with smooth tops flushed and marbled with brown. Flowers white.

LITHOPS RUGOSA. Smoky rose, dark windows.

LITHOPS SCHWANTZII. Rose brown, red pattern.

LITHOPS TERRICOLOR. Pink to pale green with dark green dots and windows. Flowers yellow.

LITHOPS TURBINIFORMIS. Beautiful brick red with blood red windows. Water temperature.

LITHOPS UMDAUSENSIS. Grey green, dark pattern.

LITHOPS VALLIS-MARIAE. Milky rose and lilac.

STONE FACE COLLECTION N20

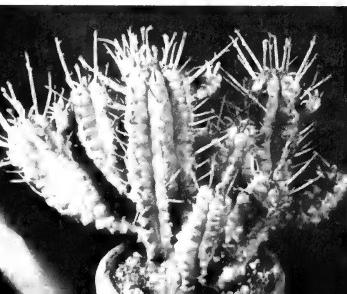
Plant them together in 4<sup>1/2</sup>" pot. 1/4 to 1/2 in. variety.

my selection, \$1.50.

### COLORED DESERT ROCKS

MIXED JASPER, QUARTZ, etc., for mimicry pots. Portion 1/2c. Pound 50c. Postpaid.

DESERT ROSES. Rare quartz formation. 25c each.



# LENTS

## Desert Plants

big as dishpans. Brilliant torch bearers are the Aloes marching over veld and kopje while hundreds of curious succulents are found in infinite variety. In America, Mexico is noted for its lovely Echeverias, Pachyphytums and Sedums in endless variety and abundance in the damper mountains. On the mesas and desert ranges are Agaves and Yuccas mixed in grand abandon with the Cacti.



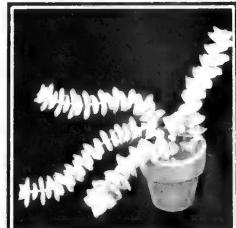
**AFRICAN TREE ALOE**

Aloe africana grows upright, soon forming a small tree with whorled prickly leaves at the top. A choice plant. 2<sup>1</sup>/<sub>2</sub>-3<sup>1</sup>/<sub>2</sub>" 15c



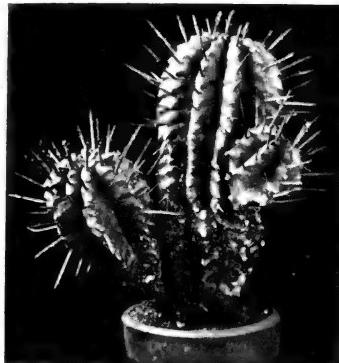
**TONGUE LEAF**

The long tongue-shaped leaves give the plant its name, Glottiphyllum. In winter the bright yellow blossoms appear. Large 3<sup>1</sup>/<sub>2</sub>-4<sup>1</sup>/<sub>2</sub>" 25c



**NECKLACE VINE**

Crassula perforata. The leaves are in long chains, the stem passing through them like a string of beads. Unique and very pretty. 17c



**DEVIL'S CLUB**

Euphorbia cereiformis

A characteristic African Succulent whose dark green sharply angled stems are well worthy of your garden. In winter the new spines, which are really flowering stems, are crimson. As its specific name implies, it resembles a Ceratium, though perhaps older plants become almost a ball. Like all Euphorbias, when pricked it exudes a copious white milk. Give it a fertile, sandy loam, water and sun. 3<sup>1</sup>/<sub>2</sub>-4<sup>1</sup>/<sub>2</sub>" 25c. 1<sup>1</sup>/<sub>2</sub>-2<sup>1</sup>/<sub>2</sub>" 18c

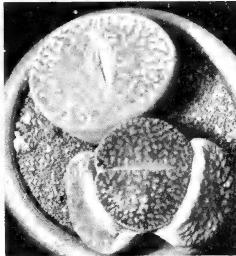


**BARBER POLE ALOE**

Aloe parvibracteata

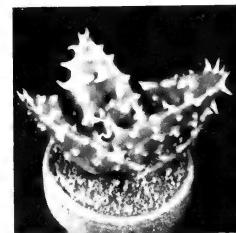
Young plants are brightly dark striped on a silvery green ground. At first the leaves are squat but later form a spiny leaved rosette from which the tall spikes of rose red flowers arise. Flowers in second year. Very odd and pretty. 15c 2<sup>1</sup>/<sub>2</sub>-3<sup>1</sup>/<sub>2</sub>"

**ALOE FOSTERI**  
A leafy plant with white dotted leaves. 7 feet tall. West Africa. Flower spikes 10 feet tall with beautiful red bells in hundreds. Blooms second year, each plant flowering all summer long. 2<sup>1</sup>/<sub>2</sub>-3<sup>1</sup>/<sub>2</sub>" 15c



**LITHOPS AUCAMPIAE**

A lovely brick-red variety with only a crack between the leaves through which the flower pushes! Each. 23c



**GOLD-SPINE ALOE**

Aloe mitraeformis

Bright yellow prickles against pale green leaves make this a popular plant. Umbels of red flowers in summer. 15c



**WINDOW LEAF**

Euphorbia piifera

In Southwest Africa there is a remarkable group of plants called "Windowed Plants" because of the curious structure of their leaf tips which, acting as a window, allows the light to penetrate to the green assimilating tissue which would otherwise be deprived of light. These plants are to be had next to the windows. They are most interesting. Should not be buried in planting. This one is easily grown in a light sandy soil. Flowering size. 21c

**ODONTOPHORUS**

Very succulent plants with toothed leaves in pairs. Flowers of good size. Plants like a quite sandy soil. Flower in autumn. 18c.

**ODONTOPHORUS MEYERI**. A rare new species with pale green, warty leaves. 18c.

**ODONTOPHORUS MANUS**. Between the rugose leaves appear the white flowers. 18c.

**ODONTOPHORUS PRIMULINUS**. Fine yellow flowers. 18c.

**CULTURE OF MIMICRY PLANTS**

Our culture folder on these fascinating plants sent for 10c.



**A CONNECTICUT CACTUS COLLECTION**

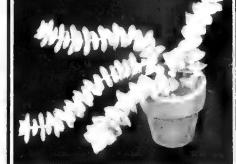
Dear Mr. Johnson: This picture is of my collection which now has 53 Cacti and Succulents. All of your plants reached me in fine condition and are all growing beautifully. My collection is one year and three months old (July 17, 1941). I give my plants average amount of water and sunshine and water once weekly. Johnson Cactus Farm, Mr. E. H. Johnson, Orchid Cactus bloomed this month. I have been so pleased that I am sending another order soon.

Harold L. Krieger, East Ridge Road,  
Middletown, Connecticut.

**JOHNSON'S ROOTWELL**

Our new product triple hormone powder for rooting cuttings of any kind. My own formula designed for quickly rooting Cacti and Succulents. A dry powder, it is applied with the finger to the fresh wet cut. It sterilizes the cut surface, preventing soft rot and the three powerful hormones it contains induce the luxuriant growth of roots. Use it on all cuttings for quick results such as Roses, etc., either soft or hard wood. Full directions.

Per Jar 50c



**NECKLACE VINE**

Crassula perforata. The leaves are in long chains, the stem passing through them like a string of beads. Unique and very pretty.

17c

**LIVING ROCKS OR PLEIOSPILOS**

Nature has excelled herself in these mimicry plants for they so much resemble the granite and lava rocks among which they grow as to be almost invisible. Of the easiest possible culture and much recommended as real curiosities.

**SPLIT ROCK. Pleiospilos Ne-**

lli. Illustrated page 34.

**GRANITE SPLINTERS. Pleio-**

spilos simulans. Illustrated in

color. Page 29.

**PLEIOSPilos BOLUSII.** A

fine rock-like species. 25c.

**P. Borealus** 25c; **P. Canus**

25c; **P. Compactus** 20c; **P. De-**

kenahii 20c; **P. Demidatus** 25c;

**P. Hilmarii** 20c; **P. Latipetalus**

20c; **P. Magnipunctatus** 20c; **P.**

**Minor** 25c; **P. Optatus** 25c; **P.**

**Purpusii** 20c; **P. Sorarius** 20c.

**P. Willowmoorensis** 20c.

**COLLECTION OF 5 LABELLED**

**VARIETIES** 75c

**25 ODDS AND ENDS**

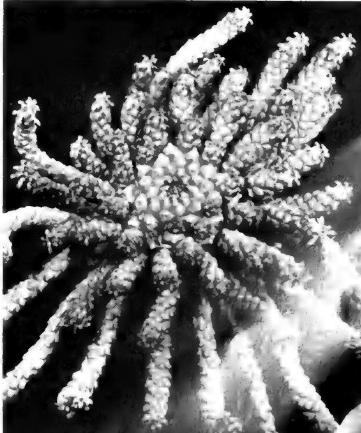
About every large nursery there are always odds and ends, unlabelled plants, small lots of which we do not have enough to catalog, odd plants left over after packing, etc. They are all good plants, not discards, but healthy rooted specimens. All different. Cacti and Succulents unlabelled. 25c

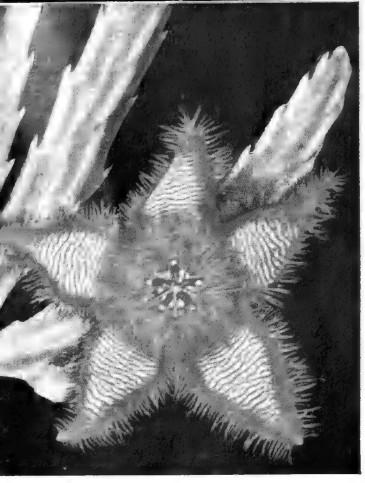
**Collection N19, 15 plants for \$1.50.**

**Collection N20, 25 plants for \$2.50.**

**MEDUSA HEAD**

Euphorbia Bergeri. Fine specimens of this rare curiosity. 2<sup>1</sup>/<sub>2</sub>-3<sup>1</sup>/<sub>2</sub>" 75c





### HAIRY STARFISH FLOWER

*Stapelia hirsuta.* ¾ Nat. Size

This lovely desert star is one of the most fascinating plants inhabiting the distant lands of South Africa. They are much at home in the window garden and bloom the first year, more or less throughout the summer and fall. The plants are small (4"-6") and the blossoms appear on the new growth as shown in the color photograph. Everyone can flower them. Clusters, each.....

**35c**

### STARFISH FLOWERS

Few strange plants have come from Africa than these odd and curious blossoms, some of which reach six inches in diameter. There seem more remarkable because it is known the plants may be only 6"-8" tall! There are numberless species and genera of them, all with thick, juicy, finger-like stems in clusters rooting on the top of the soil as they advance.

**GOLDFRAME** Thrive like a very sandy loam and an airy light location. When in summer growth give plenty of water but as growth matures keep them drier. During late fall and winter keep quite dry. They bloom on the young growth.

**GIANT STAR FLOWER.** *Stapelia gigantea.* See color plate on cover. This splendid species is easy to grow and flower and bears immense blossoms a foot in diameter. No collection is complete without it. Large plants **50c.** Blooming size **35c.**

**STARFISH FLOWER.** *Stapelia variegata.* See color plate, page 33.

**STARLETS.** *Stapelia pulchella.* A charming variety with pretty yellow blossoms, spotted maroon. **20c.**

**STAPELIA GETTLEFFII.** An interesting species with large fringed and coppery flowers. **50c.**

**STAPELIA COMPARABILIS.** Large, smooth, coppery red flowers. **50c.**

### HUERNIA

Dragon Flowers

**RED DRAGON FLOWER.** *Huernia Schneideriana.* See illustration page 18. Grows exceptionally easy and flowers very freely. **15c.**

**BLACK DRAGON FLOWER.** *Huernia Penzigi.* See illustration page 18. Grows exceptionally easy species has red-black flowers. **17c.**



### KLIENIA

These odd plants belong to the daisy family though you would never guess it. They are African and enjoy a sandy, fertile loam and light, airy position.

**WINDOWED PICKLES.** *Klienia radicans.* A true "Windowed Plant" with pickle-shaped leaves and window stripe the length of each leaf. In this curious plant the leaves are strung on chains. White dandelion-like flowers and puffs of seed. A good hanging vine. **20c.**

**COBWEB PLANT.** *Klienia tomentosa.* A snow-white plant completely covered with a cobwebby felt of wool. Very choice, grows to 6" tall. **28c.**

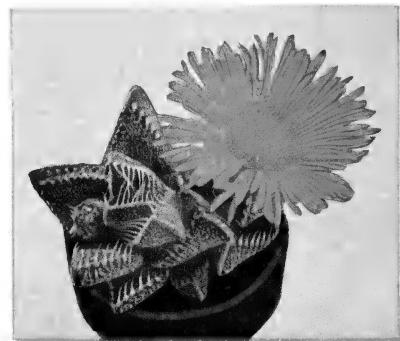
**INCH WORM.** *Klienia pendula.* A curiosity of the first water. Creeps like a striped Inch Worm. Scarlet carnation-like flowers. **35c.**

### WHY NOT SELL CACTI?

Write for my Circular "M" for details. Sell these popular plants in your own home. Make up Cactus Dish Gardens to sell to Gift Shops, Department Stores, roadside stands. You will find a ready sale for your ingenuity and spare time. Stores do not have time or equipment to plant these novelty gardens but find them ready sellers on their counters. No previous training necessary.

### CACTI FOR THE AMATEUR

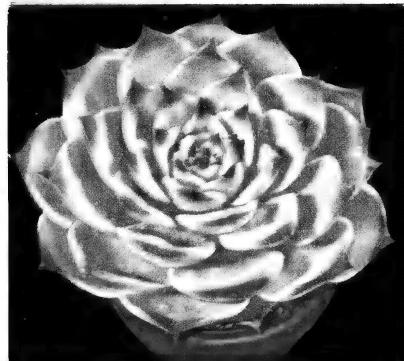
Your pleasure and interest in your cactus collection will be much increased by learning more about these fascinating plants. This authentic book was written with the beginner in mind, though it is of equal interest to the advanced student. 110 colored pictures, 150 photos. \$1.05 postpaid. Cloth \$2.05.



### TIGER JAWS

This fine flowering succulent (*Faucaria tigrina*) should be in your collection. Grows easily, blooms most freely in fall and winter. Each pair of leaves are toothed. Large flower clusters, several heads. **35c.** Flowering plants.

**17c**



### CHRIST THORN

*Euphorbia splendens*

The lovely red blossoms are found all the year around. Grows anywhere like a rich sandy soil and plenty of water. Our Cactus Food will keep it blooming freely. This is the thorny plant commonly used in coffee houses, found in Madagascar, the French island off the coast of Africa. An old favorite in window gardens.

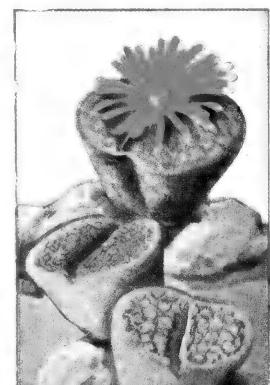
**25c**

### MEXICAN OPAL PLANT

*Echeveria cuspidata*

This lovely new Echeveria brought to me recently from Mexico by Dr. Craig, an ardent collector who has made many trips through Mexico in search of new Mammillarias. It grows very easily and keeps its bright red tips and pale white leaves throughout the year. Grows in sun or shade but is brightest in half sun. Enjoys a loamy, well-drained soil and a fair amount of water.

**25c**



### STONE FACE

*Lithops pseudotruncatella*

An old favorite and the largest of the Stone Faces. Very beautifully marked windows. 4 varieties **65c.**

**23c**

### HUERNIA HYSTRIX

A lovely species with yellow blossoms, the petals lined with red and with hundreds of red-tipped papillae. **35c.**

**HUERNIA PRIMULINA.** Clusters of primrose yellow bells. Very attractive. **30c.**

**HUERNIA CLAVIGERA, 30c.**

**HUERNIA LONGITUBA, 30c.**

### ECHIDNOPSIS CEREIFORMIS

A stapeliad with long, round, reticulated fingers. Forms a fine specimen. The flowers are small and yellow. **25c.**

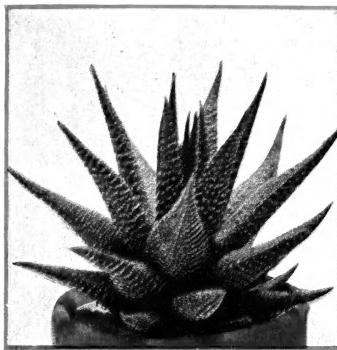
### TIGER ALOE

Partridge Breast Aloe  
*Aloe variegata*

An old favorite well known to fanciers everywhere. I have some beautiful healthy rooted specimens, the fat leaves finely marked with white and green. Don't fail to add this beautiful plant to your collection. Handsome spikes of bright red bells from February to April. They enjoy a very sandy soil and sand. Quick growing. Large blossoms size 5". **6c.** **\$1.00.** Fine plants 2"-3" **22c.** **35c.** Beauties **22c.**

## SUCCULENTS FOR THE AMATEUR

A splendid informative book on these popular plants. 800 succulents described. 400 illustrations, 85 in color. Many pages crammed with information. Written for the amateur with cultural information and interesting facts. You will not regret possessing this volume. \$1.55 postpaid. Cloth, \$2.10.



**WART PLANT**

*Haworthia subfasciata*. Nat. size.

A great favorite and deservedly popular both because of its neat beauty and its being perfectly at home in the sun. The warts on the leaves are much whiter than shown. I have some nice plants. Large 2<sup>1</sup>/<sub>2</sub>-3" at 30c. 1<sup>1</sup>/<sub>4</sub>-1<sup>1</sup>/<sub>2</sub>" only. ....

18c

## HAWORTHIA

Fascinating succulents belonging to the Lily Family, all native to South Africa. They are small, neat with leathery or fleshy leaves in rosettes and slender spikes of odd white flowers. Give them a quite sandy soil with plenty of water in summer, rather less in winter and half shade.

**WINDOW LEAF.** *Haworthia pellucida*. See illustration page 31. A fine variety with a charming pattern on the leaf tips. 21c.

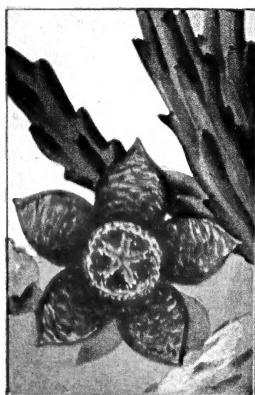
**LACE LEAF.** *Haworthia tessellata*. A pretty variety with a lacy pattern of windows on the leaves. Rare. 21c.

**HAWORTHIA TURGIDA.** A true "Window Plant" with thick leaves of pale green and many transparent windows. Grows easily and produces many offsets. Each 18c.

**HAWORTHIA ATROVIRENS.** This pretty dwarf window plant is much branched. 25c.

**HAWORTHIA COARCTATA.** A pagoda-shaped plant with incurved leaves of pale green. Grows upright and suckers at the base. 20c.

**HAWORTHIA RIGIDA.** A fine deep-green species, the leaves in slow spirals bearing many branches at the base. Large 35c. 1<sup>1</sup>/<sub>2</sub>" 20c.



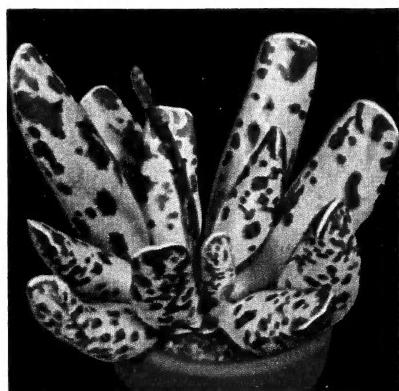
**STARFISH FLOWER**

The strange fish-like petals of this flower are more like members of the animal world than blossoms! Large blooming size, 7-15 arms 35c. Nice branched plants



**MEXICAN FIRECRACKER**

..... 25c



**PLOVER EGGS**

*Adromischus Cooperi*

A most fascinating and lovely little plant with fat round leaves beautifully marbled with maroon. These form small clusters and have tall spikes of small pink or white blossoms one of which is seen starting in the center of the plant above. Grows easily liking sun to bring out the brightest mottling. Each

50c



**ROYAL STARFISH**

The huge flowered *Stapelia nobilis* with velvety stems often almost purple in color. Flowers light yellow and red. 40c



## CHENILLE PLANT

*Echeveria pulvinata*

No need to describe this brilliant succulent. The leaves are softly plush-covered, the margins rimmed with red. The buds, as shown above develop into brilliant, fiery orange-red blossoms in January and February lasting many weeks in full perfection. It thrives in partial shade but needs plenty of light to bring the rich colors out to the full. Likes a rich, light soil and plenty of water. Found in the mountains of Mexico. Fine flowering size.

25c

**ECHEVERIA PULVI-CARN.** Plush-lined leaves. Grows tall with deep crimson flower spikes. 20c.

**ECHEVERIA PULVI-COX.** Plush-lined leaves. 20c.

**ECHEVERIA PULV-OLIVER.** Handsome red-flushed leaves. 20c.

**ECHEVERIA SET-OLIVER.** Extremely pretty with handsome velvety leaves flushed with dark red. Fine orange-red blossoms on short spikes. Very pretty. 25c.

**ECHEVERIA ROSEA GRANDIS.** Forms heads as large as a cabbage. Beautiful wavy leaves tinged copper with red-rimmed margin. 25c.

## URBINIA

Similar to Echeveria in appearance and culture.

**URBINIA AGAVOIDES.** Lovely plants of pale green, the leaves in spreading rosettes. 20c.

**URBINIA CORDEROYI.** A pretty red-tipped species. 20c.

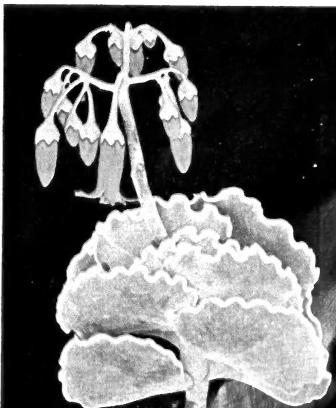
**URBINIA PURPUSET.** Blue-grey. 35c.

## SILVER CROWN

*Cotyledon undulata*

A handsome succulent with wavy margined leaves thickly covered with white powder. It has long been among the choicest possessions of the collector. Grows easily in a fertile soil. Each

23c





#### RAINBOW BUSH

*Portulacaria Afra* Var. *Tricolor*

A lovely, rainbow-hued plant, yellow, cream, pink, and green. Each fleshy leaf closely attached to the fat mahogany-red round stem. Grows slowly and becomes quite bushy. Its attractive coloring will stand out among the plainer greens. Likes a rich, loamy soil and generous treatment. Each 4"-5" branched. 25c

#### ALOE

No Succulents surpass the Aloes in splendor of bloom or number of interesting species. They abound in South Africa, varying in size from the small finger Aloe to five foot kinds of *A. arborescens*. All are pretty as small plants with their striped or spotted leaves and every collection should have them no matter how small, for they grow so very easily. Most of them bloom during winter.

**CULTURE.** They thrive with ordinary care, not being particular as to soil or water. In summer they like as much light as possible.

**MARLOTH'S ALOE, A. Marlothii.** One of the finest of all the Aloes both in flower and plant. The wide leaves are blue-green, covered on both surfaces with brown prickles, making a very striking specimen. The flowers are bright orange colored in a many-branched spike. It is particularly choice as a small plant and I fully recommend it. A few plants only. 20c.

**ALOE AFRICANA.** See illustration Page 31. A fine, quickly growing variety that grows upright, forming a trunk quickly. Each 15c.

**ALOE ARISTATA.** An aristocrat for the window, never growing large, with white-toothed leaves and pretty spikes of red flowers in summer. 3" 50c.

**ALOE AUSANA.** Like Tiger Aloe. 25c.

**ALOE MICROSTIGMA.** Fine white dotted leaves. 22c.

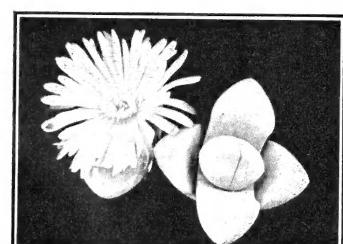
**ALOE PLICATILIS.** A choice collector's plant, forming a grand, much-branched specimen. Large plants 15"-18", \$2.00.

**ALOE SPINOSISSIMA.** Handsome red spikes of flowers in January! 6"-8" specimens 50c. Small 15c.

**ALOE BEGUNII.** A pretty variety with white dotted and warty leaves. 20c.

**ALOE Heteracantha** 20c; **Aloe Ferox** 20c; **Aloe Pratinensis** 20c; **Aloe Aculeata** 20c.

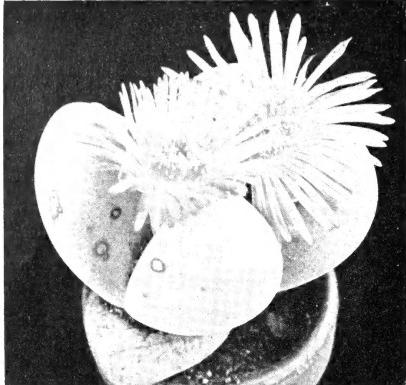
**BULBINE CAULESCENS.** Spikes, yellow flowers. 20c. **B. TRIEBNERI.** White. 25c.



#### KARROO ROSE

*Lapidaria Margaretae*

A flowering stone from the Karroo where it grows among quartz pebbles, among which it is very difficult to see. The whole plant is of a lovely milky white suffused with rose, the leaves very smooth. The blossoms are of a very rich corn yellow and appear on the sides of the stems, possibly flattened. *Dinteranthus* Likes a very sandy loam soil, keeping dry in winter. Flowers in November. Found in South Africa. Very rare. 25c



#### FLOWERING STONES

*Dinteranthus*

These mimetic plants are in every select collection. They resemble smooth quartz stones of a pleasing milk-white, often flushed with violet or rose and faintly punctate. They flower when quite small, the blossoms bright corn yellow. Sandy soil and little water while resting.

**DINTERANTHUS INEXPECTATUS.** Nice plants. 25c.

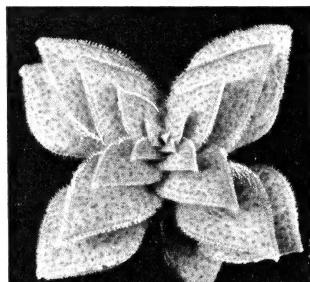
**DINTERANTHUS MICROSPERMUS,** 25c.

**DINTERANTHUS PUBERULUS,** 25c.

#### BABY TOES

*Fenestraria rhodophytia*

One of the rarest of the "Window Plants." The top of each toe-shaped leaf is quite transparent. In the wild it grows buried in the sand near the coast in Southwest Africa. Only the tips of the leaves are visible above the sand, the flowers appearing in the sand. Grow them in almost pure sand or sandy loam. We ship in small pots which should be placed in a larger 3"-4" pot with sand between. Keep dry in winter. Nice plants with pots. 50c



#### ST. ANDREW'S CROSS

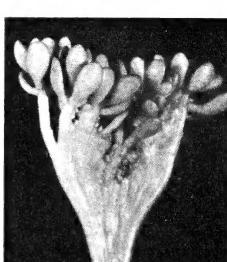
*Crassula Trilobata*, Nat. Size

The pale green, dotted leaves are arranged in a cross and in winter are often flushed rose red. Grows easily, flowering in late spring and summer. Since every plant flowers, no matter how small, I can't imagine this photo only during winter and spring. Nice plants. 20c

#### ORANGE BABY TOES

*Fenestraria aurantiaca*

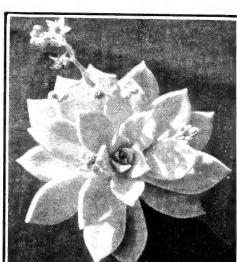
Another Baby Toe with orange blossoms and flatter tipped, more angled and shorter leaves. Fine potted plants. 50c



#### COCKSCOMB SEDUM

*Sedum praealtum cristatum*

An interesting fasciated form, the stems sometimes being 6" wide. Makes a nice specimen in a pot and does best in very sandy, poor soil with an occasional feeding of fertilizer to keep it green. I have a few nice plants, only 17c



#### HOST PLANT

*Byrsinia Weinbergii*

One of the best known succulents and certainly one of the most useful. It is a very graceful plant particularly with age when the curving, pendant leaves display their pointed leaves in a most informal way. Stand much neglected.

#### SAND ROSES

*Anacampseros*

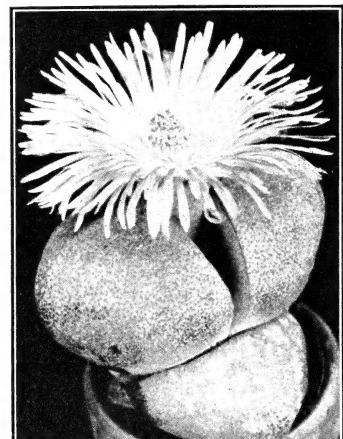
Some quite fascinating small succulents belonging to this genus. The ones listed are quite easily grown in a sandy soil and do well in either full sun or part shade. Several kinds may be grown in a pot together. They flower in the summer; the blossoms of some are an inch across and look like baby roses. Long lived.

**LOVE PLANT.** *Anacampseros lanecula*. One of the largest with long leaves interspersed with bristly hairs. Grows very easily and the large, brilliant pink roses are freely borne. 19c.

**ANACAMPSEROSENTOMENTOSA.** One of the cohob varieties of the plant being covered with cobwebby hairs. The leaves are truncate, the triangular tips overlapping like tiles on a roof. Flowers pink. A very nice long-lived specimen. 17c.

**ANACAMPSEROS TELEPHIASTRUM.** Large red flowers, pinkish stems, pointed leaves with long hairs in the axils. 25c.

**ANACAMPSEROSE RUFESCENS.** The large bright flowers are light red, the triangular leaves tinged bronze. Stems elongated. Very choice plant. 21c.



#### SPLIT ROCK

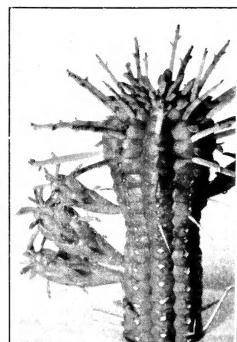
*Pleiospilos nelii*, Nat. Size

One of the finest of the mimicry or stone-like plants and one of the oldest succulents yet. The flat granite-green leaves grow really among similar grey rocks to hide them from the baboons and ostriches who are fond of them. They are visible on the veld only when they are crowned with their pretty amber-red blossoms in March. They often grow in clusters, so if you want to have them in your collection, buy a few and plant the plant among similar stones. Large 1½"-2" 25c. ¾"-1" 18c

#### GASTERIA

*Ox Tongue*

The varying colors, shapes and markings of the leaves are the fascinating features of the plants but you have a bonus in the lovely spikes of pink bells they so freely produce in the summer. Turn to rear cover for listings.



#### CORN COB

Like the photo 17c

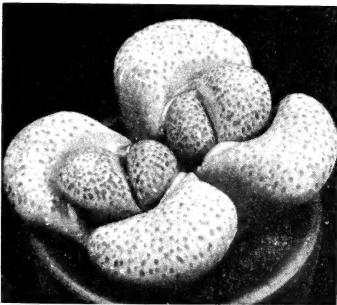


### ARAB'S TURBAN

*Crassula*, *bimarginata*, Nat. size.

One of the oldest of all and very easy to grow. Likes a light, well-drained soil and partial shade. May be watered freely. It is found in grassy fields near Living Rocks in South Africa. Large plants 25c; 1 1/2"-1 1/2"

19c



### LITHOPS PEERSII

Another of the variations to be found in this fascinating genus. They have an allure all their own and a collection of them is a source of continual pleasure. A collection of 10 may be planted in a 4" pot. See page 39.

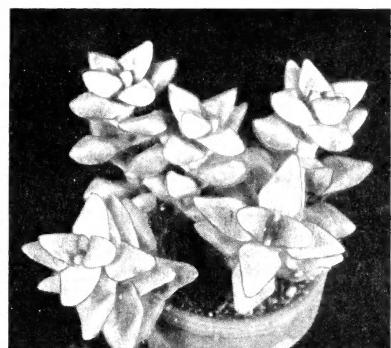
25c



### ECHEVERIA GILVA

A pretty Echeveria whose pale green leaves turn red in the autumn sun. A very popular and easily grown plant looking like a large green rose! Comes from Mexico, where it grows in the mountains and will stand many degrees of frost. All the Echeverias are good house plants, standing shade and moisture well, and always look fresh and bright. Large plants 23c; 2 1/2"-2 1/2"

17c



### SILVER BEADS

*Crassula*, *Deltoides*, Nat. Size

A quaint, tiny, tree-like Crassula with thick, white-powdered, bead-like leaves. The beads are strung on a thick stem. In the summer each branch bears a 2" head of pretty pink blossoms! Easy to grow. Likes sun. 2"-3" branched 20c. Smaller. 15c

### SEDMUM

**Sedum Adolphi.** The whole plant is golden yellow. 15c.

**Red Tips.** Sedum pachyphyllum. Bead-like leaves tipped red. 15c.

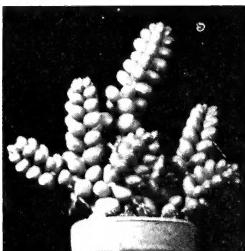
**Dwarf Pines.** Sedum multiceps. Like tiny branched pine trees. 20c.

**Sedum Treleasii.** Powdered white leaves. 18c.

**Sedum Sieboldii.** Beautiful pink flowers. Pendant stems. 21c.

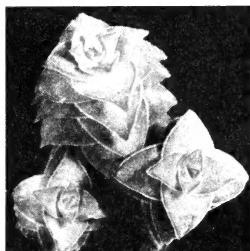
### AEONIUM TABULAEFORME

The true and rare species. Only a few plants. Perfectly flat disks to 10" across! Nice young plants 50c.



### CORAL BEADS

Every bead is bright red! Every bead that falls will grow! Grows anywhere but is brightest red in sun. 15c.



### PAGODA PLANT

A fine Crassula with thick, 4-ranked leaves strung like the Necklace Vine to which it is related. 17c.



At Left

### COCKSCOMB PLANT

*Pachyveria*, *clavifolia cristata*

The stems are very much crested and wavy, bearing on their crests blue-white bead leaves. Will reach 6" in diameter. Large 5"-5 1/2" each. 50c; 2 1/2"-3" 25c; Nice crests. 19c

At Right

### OUR CACTI IN ALASKA

Mrs. E. S. Sande of Box 1155, Ketchikan, Alaska, has kindly sent us some photographs of her most interesting collection of cacti. They are a pleasure during the long winter months of her northern home. Our farthest north customer is at Pt. Barrow, Alaska.



### TOWER OF JEWELS

*Pachyphyllum compactum*

An attractive variety with fat, blue-green leaves prettily marbled with olive grey. In the summer they have lovely spikes of red blossoms. The plants attain 12" in height and most fine specimens are many years branching from the base. Native to the mountains of Mexico. We list two other very different species on the back cover. Large 25c. 1 1/2"-2"

15c

### CRASSULA

A large African group with many very curious members such as the Arab's Turban, Necklace Vine, Rattlesnake, etc. Most are easy to grow in a light, sandy, fertile soil and they like a light, airy situation.

**BEAD VINE.** *Crassula rupestris*. Handsome heads of pink flowers. Thick, button-like leaves as though strung on a string. 17c.

**CRASSULA DECIPiens.** You will like this choice plant. The fat leaves are covered with short, stiff white hairs. Likes lots of light. Grows quickly, bearing interrupted spikes of white flowers. Each 15c.

**CRASSULA CORDATA.** Pretty spotted, heart-shaped leaves almost white. Only 17c.

**CRASSULA JUSTI-CORDEROYI.** A beauty and it flowers freely! Flat-topped heads of pink blossoms lasting for weeks. Flowers very freely in the summer, the plants being only 3"-4" tall. Likes a little shade. Very choice. 20c.

**CRASSULA LYCOPodioidES.** The Princess Pine. Grows easily, with curious overlapping leaves. Nice. 15c.

**CRASSULA PSEUDOLYCOPODIoidES.** More compact growing with stiffer leaves. 15c.

**Crassula Trachysantha** 15c; *Crassula Tomentosa* 25c; *Crassula Tetragona* 15c.

### CRASSULA COLLECTION N 22

6 **Crassulas.** Arab's Turban, Scarlet Paint Brush, Japanese Pine, Princess Pine, Bead Vine, Crassula Decipiens. 60c.

### COTYLONDON

See rear cover.

### KALANCHOE

See rear cover.

### AIR PLANTS

See rear cover.





#### MEXICAN GEM

*Euphorbia heterophylla*

This popular plant has lovely blue-white leaves and charming spikes of flowers. Grows very easily under almost all conditions. The more sun it gets the whiter it becomes. Large flowering size—25c. Small flowering size.....

17c

#### UMBRELLA FLOWERS

*Ceropeltis*

Curious vines from tropical Africa. The flowers are odd and very pretty.

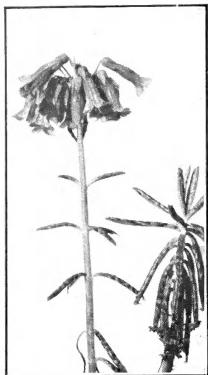
**UMBRELLA FLOWER.** *Ceropeltis Woodii*. A lovely species with hanging chains of thick heartshaped leaves variegated silver and green, red beneath. Flowers free. Bears flowers! 20c.

**SPIDER FLOWERS.** *Ceropeltis staphylina*. Twining stems, lovely flowers. 37c.

**CEROPEGIA RADICANS.** Pretty green, white and brown flowers. Grows easily. Fine plant for hanging baskets. Stems creeping, flowers all summer. 25c.

**PARACHUTE FLOWER.** *Ceropeltis Sandersonii*. Beautiful and odd flowers with a long, thin, parabolic petiole.

**CEROPEGIA BARKLEYI.** Variegated leaves. Tubers—20c. *Ceropeltis debilis*. Narrow leaves. Brown flowers. 20c. *Ceropeltis caffrorum*. Long pendant stems. 20c.



#### GASTERIA

*Gasteria maculata*. A handsome species with glossy, thick leaves heavily marbled with silver green. Very desirable. Large 30c. 29c. 37c.

*Gasteria acinacifolia* 35c. 50c. *G. carinata* 35c. *G. disticha* 75c. *G. pista* 25c. *G. sulcata* 25c. *G. trigona* 25c.

Collection 5 species my selection \$1.00.

#### PACHYPHYTUM

Fine thick leaved plants related to Echeveria. They require same treatment. *Pachyphytum brevifolium*. A pretty variety, leaves blue-white flushed with red at flowers. Fine 20c.

*Pachyphytum oviferum*. Handsome. Round, pure white, powdered leaves! Very attractive. Red flowers? 25c.



#### AIR PLANT

Lovely red bells at Xmas. Bears young plants on the leaf tips! Easily grown. 15c.

#### A NEW TIGERS JAWS

*Faucaria Hooliae*

Many new species have recently been imported. This one is very interesting with widely spaced teeth and bright yellow blossoms. Easily grown. 23c.

COLLECTION OF 10 TIGER JAWS. LABELED \$1.00

#### KALANCHOE

A fine decorative group from Madagascar and Africa.

*Panda Plant.* *Kalanchoe tomentosa*. See page 3.

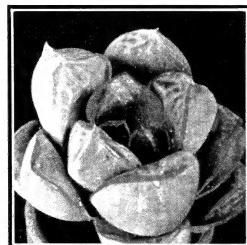
**Velvet Leaf.** *K. beharensis*. Velvety leaves chestnut above, silvery beneath. 35c.

**Big Bloom.** *K. daigremontiana*. Gorgeous large red blossoms in big heads. Fine 25c. *K. Engleri*, 25c. *K. gummifera*, 15c. *K. somalensis*. Leaves in winter turn red. 15c.

#### COTYLEDON

Related to Echeveria. Native of Africa.

*Cotyledon decussata*—17c. *C. Flanaganii*—19c. *C. orbiculata*—17c. *C. reticulata*—Rare. 14c. 20c. *C. oophylla*—25c. *C. X. Walkeri*. Red rimmed Silver Crown—21c.

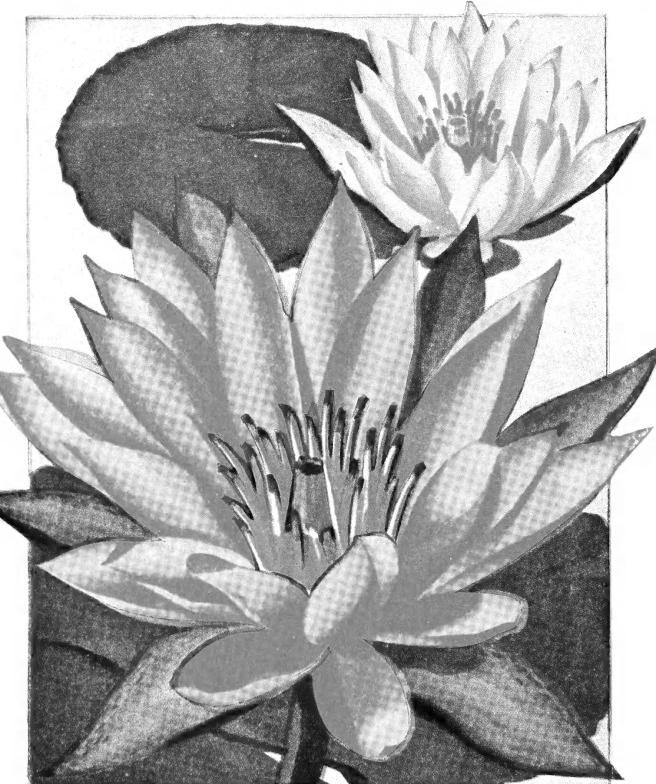


#### WINDOW PLANT

*Haworthia cymbiformis*

A true "Window Plant." Grows easily and with its windows a great curiosity.....

17c



#### BLUE BEAUTY WATER LILY

Large 2 year old plants \$2.25

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